

Curriculum Vitae

ROXANNE E. MOORE

Department of Teaching and Learning
College of Education
Washington State University
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EDUCATION

Washington State University, Pullman, WA

Ph.D. Mathematics and Science Education, Expected May 2021
Certificate in Applied Educational Research Methods, May 2017
Advisers: Paula Groves Price, Ph.D. and Kristin Lesseig, Ph.D.

Chaminade University, Honolulu, HI

M.Ed. Master of Education with an emphasis in Secondary Education (Mathematics), 2009
Thesis: *Increasing Self-Efficacy: The Role of Cooperative Learning in a Math Classroom*.
School Model: *Revolutionizing Education Through Nurturing Interdependence (INTER)*, 2009
Adviser: MaryPat Sjostrom, Ph.D.

The University of Chicago, Chicago, IL

B.A. Law, Letters, and Society; minor in African & African-American Studies, 2006
Certificate in Introduction to Legal Research (Lexis Nexis, Westlaw and LegalTrac), April 2006
Adviser: Dennis J. Hutchinson, J.D.

RESEARCH, TEACHING & LEADERSHIP

Moore Research Solutions and Consulting, LLC

Founder and Owner, April 2018 – present

- Data sharing partner with *SimplrInsites, LLC* a data analytics start up in Denver, CO committed to providing education and social services industries with user-friendly, big data solutions in order to increased data-driven decision-making
- Research design consultant for *Rise Above: Continuing Education & Scholarship, L3C* to design the research component for their projects as they apply for and execute Hawai'i DOE contracts and innovation grants to provide services to teachers and students
- Steering and programming committee member for the *Hawai'i Harm Reduction Conference 2021*
- Steering and programming committee member for the *Hawai'i Harm Reduction Conference 2019*

Third Wave Research Project, Pullman, WA

Coordinator, United States Research Team, July 2016 – present

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Third Wave Research Project, an international research project across 25 economies and nearly 50 researchers initiated in 2008 by Wee Tiong Seah and Alan Bishop in Monash University in Melbourne, Australia, investigating teachers' and students' values in mathematics learning in different cultures

- WiFi is a large-scale survey study, conducted in 18 economies including Australia, Brazil, mainland China, Germany, Ghana, Greece, Hong Kong SAR, Indonesia, Japan, Korea, Malaysia, South Africa, Spain, Sweden, Taiwan, Thailand, Turkey, and the United Kingdom
- WIFItoo

Washington State University, Pullman, WA

Director of Professional Development, Graduate & Professional Student Assn, Sept 2015–May 2016

- Co-founded a university-wide collaborative, the [Professional Development Initiative \(PDI\)](#)
- Recruited 100% participation 11 college deans for financial co-sponsorship of PDI totaling \$37,500
- Negotiated the creation and funding of a PDI Graduate Assistantship valued at over \$40,000
- Brokered a 400% increase to the committee budget totaling \$40,000
- Established the Professional Development Committee (PDC) to educate, engage and empower graduate students to lead in academia and industry
- Led team of 8 graduate students in co-creation, execution of PDC strategic plan for inaugural year
- Produced 6 events developing over 500 students' academic/professional knowledge, skills, and mindsets resulting in 92% of attendees willing to participate again and 89% feeling more prepared
- Cultivated over 22 partnerships with internal university units and major external organizations
- Centralized 32 disparate PD resources in a database as the foundation for a user-friendly, online guide that facilitates the efficient discovery of academic and professional knowledge

Teaching Assistant, McNair Achievement Program, August 2014 – May 2016

McNair Achievement Program, a 5-year, US\$225k US Department of Education grant providing undergraduate students from traditionally underrepresented backgrounds with opportunities to participate in academic year and summer research activities

- Sole instructor for Interdisciplinary 490: McNair Preparation for Graduate School
- Redeveloped the Interdisciplinary 490: McNair Preparation for Graduate School course
- Advised 27 McNair Scholars, supervising each student through a full research project
- 23 Scholars accepted to present their research at a national research conference
- 16 Scholars accepted to present their research at the Showcase for Undergraduate Research and Creative Activities (SURCA)
- 19 Scholars accepted to participate in highly-competitive Summer Research Opportunity Programs (SROPs) and/or graduate programs

Research Assistant, Making Mathematical Reasoning Explicit, August 2013 – July 2014

Making Mathematical Reasoning Explicit, a 5-year, US\$5m National Science Foundation Math & Science Partnership grant providing professional development to 72 rural math teachers of eastern Washington and northern Idaho seeking to increase students' ability to generalize and justify abstract mathematical concepts

- Co-developed and facilitated the first Summer Institute Workshop in which 35 TLs provided a week-long PD workshop for 54 non-grant participant teachers

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- Assisted in the development and facilitation of professional development for 72 TEs and 30 administrators through Regional Meetings, Winter Institute, and Summer Institute
- Observed classrooms and collect data in the form of videos, field notes, and rubric scoring of classroom discourse

Chaminade University of Honolulu, Honolulu, HI

Adjunct Professor, Division of Education, January 2010 – May 2010

- Instructor for Math 105: Math for Teachers I
- Co-instructor for Math 305: Math for Teachers II

University of Chicago, Chicago, IL

Research Assistant, Diabetes Research & Training Center, July 2006 – June 2007

Reach In! Reach Out! Chicago Children's Diabetes Prevention Program, a 5-year, US\$ National Institute of Health funded project run out of the Department of Medicine, Section of General Internal Medicine, providing a fun and family-oriented program designed to lower the risk of type 2 diabetes in overweight young people, ages 9-12, primarily serving the African American community throughout the Chicagoland area.

- Managed daily operation of assigned projects, ensuring that the study progressed toward its goal of 160 families through collaboration with 30+ community agencies
- Created, managed, and coordinated a team consisting of 12 student volunteers and a program web designer
- Collected data through telephone screenings, questionnaires, interviews, and education sessions of 200+ families
- Managed financial processes, including processing purchase orders, invoices, and other payment/billing activities
- Prepared data summaries, reports, newsletters, and additional analyses

Independent Research Assistant, January 2004 – January 2006

- **Tamiko Jones, PhD**, Education at Loyola University Chicago. Dissertation: *Evaluating a self-regulation intervention aimed at African-American female students' self-efficacy beliefs about science*
- **Lennette Coleman, PhD**, Information Technology at Northern Illinois University

SCHOLARSHIP ACTIVITY

PUBLICATIONS

Moore, R.*, & Slavitt, D.* (in preparation). Rehumanizing mathematics to rehumanize our students: The role of Nature of Mathematics. *Philosophy of Mathematics Education Journal*, ?(?), ?-?.

Martin, D.B., Groves Price, P., & **Moore, R.** (2019). Refusing systemic violence against black children: Toward a black liberatory mathematics education. In Julius Davis & Christopher C. Jett (Eds.), *Critical race theory in mathematics education*. New York: Routledge.

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Groves Price, P., & **Moore, R.** (2016). (Re)claiming an activist identity as critical mathematics educators: Addressing anti-black racism because #BlackLivesMatter. *Latin American Journal of Ethnomathematics: Sociocultural Perspective of Mathematics Education*, 9(3), 77-93.

Moore, R., & Groves Price, P. (2015). Developing a positive mathematics identity for students of color: Epistemology and critical antiracist mathematics. *Proceedings from The 8th Mathematics Education and Society Conference*, Portland, OR.

REPORTS

Moore, R., Purkeypyle, D., Hohman, H., Perez, T., Borland, M. (2016). The state of the deprivation of liberty constituting a violation of international law for reasons of discrimination in the United States. *United Nations Working Group on Arbitrary Detention: Global Case Competition*, Washington State University, Pullman, WA.

Moore, R., Thornton, M. (2016, February). *GPSA & Graduate School Professional Development Initiative*. Report presented to Washington State University Co-Provosts and College Deans, Pullman, WA.

Moore, R., Thornton, M. (2016, February). *GPSA & Graduate School Professional Development Initiative: Executive Summary*. Report presented to Washington State University Office of the Provost, Pullman, WA.

Moore, R., Thornton, M. (2015, November). *GPSA & Graduate School Professional Development*. Presentation to Washington State University Office of the President, Pullman, WA.

PRESENTATIONS

Peer Reviewed Conference Presentations

Moore, R., Martin, D.B., & Groves Price, P. (2020, April). *Engaging Stakeholders in Refusing Systemic Violence Against Black Children and Enacting Black Liberatory Mathematics Education*. In Julius Davis (Chair), Critical Race Theory in Mathematics Education symposium at the 2020 American Educational Research Association Annual Meeting, San Francisco, CA.

Moore, R. (2019, October). *My Research Didn't Save Her: A Mother-Scholar's Reflection on Systemic Violence in STEM*. In P. Groves Price (Chair), Fighting for Ourselves and Our Children: Black Mother-Scholars, Anti-Blackness, and STEM. Symposium conducted at the 2019 American Educational Studies Association Annual Conference, Baltimore, MD.

Moore, R. & Slavit, D. (2019, September). *Rehumanizing mathematics: Finding joy through historical and cultural recontextualization*. Paper presented at the 2019 Hawai'i Council of Teachers of Mathematics Research Conference, Honolulu, HI.

Moore, R. & Slavit, D. (2019, April). *Rehumanizing mathematics: Historical and cultural recontextualization*. Paper presented at the 2019 National Council of Teachers of Mathematics Research Conference, San Diego, CA.

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Moore, R., Lamb, R., & Carbonneau, K. (2019, April). *Values or frequency in secondary mathematics classrooms in Hawai'i*. Poster presented at the 2019 National Council of Teachers of Mathematics Research Conference, San Diego, CA.

Slavit, D., & **Moore, R.** (2019, February). *Beyond the Binary: The Mathematics of Truth, and the Truth of Mathematics*. Paper presented at the International Globalization, Diversity, and Education Conference, Spokane, WA.

Moore, R. & Slavit, D. (2019, January). Rehumanizing mathematics: Situating content in its historical and cultural context. Paper accepted to the 17th Annual Hawai'i International Conference on Education, Honolulu, HI.

Moore, R., Lamb, R., & Carbonneau, K. (2019, January). Frequency as a proxy for values in secondary mathematics classrooms in Hawai'i?. Poster accepted to the 17th Annual Hawai'i International Conference on Education, Honolulu, HI.

Moore, R., Masterson, J., Ridgway, R., Gopal, D., Guenard, C., Jones, K., Thebaud, T. (2018, October). *A collaborative autoethnographic inquiry exploring school-wide critical pedagogy implementation*. Paper presented at the Conference On Critical Pedagogy And Paulo Freire: Commemorating 50 Years Of *Pedagogy Of The Oppressed*, Colombia, SC.

Quail II, K., **Moore, R.** (2018, October). *Rise Above Educational Consortium: A transdisciplinary and transindustry movement to advance equity And justice*. Round-table presentation at the 8th International Conference On Education And Social Justice, Honolulu, HI.

Martin, D.B., Groves Price, P., & **Moore, R.** (2018, April). *Refusing systemic violence against Black children: Toward a Black Liberatory Mathematics Education*. In D.B. Martin (Chair), *Refusal of Reform: Toward a Black Liberatory Mathematics Education*. Symposium conducted by the Social Justice Action Committee at the 2018 American Educational Research Association Annual Meeting, New York, NY.

Groves Prices, P., **Moore, R.** (2017, November). *Remembering the ontological dilemmas of Blackness and Whiteness: Critical race theory and critical mathematics*. Paper presented at the 2017 American Educational Studies Association Annual Conference, Pittsburgh, PA.

Moore, R., Lamb, R., & Carbonneau, K. (2017, April). *Values or frequency: Exploring the relationship between values and frequency in secondary mathematics classrooms in Hawai'i*. Paper accepted at The 9th Mathematics Education and Society Conference, Volos, Greece.

Moore, R., Lamb, R., & Carbonneau, K. (2016, November). *Values or frequency: Exploring the relationship between values and frequency in secondary mathematics classrooms in Hawai'i*. Poster accepted to the 38th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, Arizona.

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Moore, R., Lamb, R., & Carbonneau, K. (2016, July). *Measuring Student Values: What Secondary Students In Hawai'i Value In Mathematics Learning*. Poster presented at the 13th International Congress on Mathematical Education, Hamburg, Germany.

Groves Prices, P., **Moore, R.** (2016, July). *A Critical Race Theory Analysis Of Critical Mathematics Education*. Poster accepted to the 13th International Congress on Mathematical Education, Hamburg, Germany.

Petrie, K., & **Moore, R.** (2016, February). *Developing Culturally Responsive STEM Summer Camp Curriculum for Middle and High School Students*. Paper presented at the International Globalization, Diversity, and Education Conference, Spokane, WA.

Barouch Gilbert, A., & **Moore, R.** (2016, February). *Academic Probation and Student Engagement*. Poster presented at the International Globalization, Diversity, and Education Conference, Spokane, WA.

Barouch Gilbert, A., & **Moore, R.** (2016, February). *Self-Efficacy, Academic Probation, Student Retention*. Poster presented at the International Globalization, Diversity, and Education Conference, Spokane, WA.

Moore, R., & Groves Price, P. (2015, June). *Developing A Positive Mathematics Identity For Students Of Color: Epistemology And Critical Antiracist Mathematics*. Paper presented at The 8th Mathematics Education and Society Conference, Portland, OR.

Moore, R. (2015, April). *Values and Mathematics in Hawai'i: An Examination of the Negotiation of Values in Secondary Mathematics Classrooms*. Invited speaker session at the 2015 American Educational Research Association Annual Meeting, Chicago, IL.

Moore, R., & Groves Price, P. (2015, March). *Developing A Positive Mathematics Identity For Students Of Color: Epistemology And Critical Antiracist Mathematics*. Poster presented at Washington State University's 2015 Academic Showcase, Pullman, WA.

Moore, R., Groves Price, P. (2015, February). *The Role of Epistemology and Critical Antiracist Mathematics in Developing a Positive Mathematics Identity for Students of Color*. Paper presented at the International Globalization, Diversity, and Education Conference, Spokane, WA.

Silva, C., Abustan, P., Sataraka, J., Carvajal, N., Benjamin, C., **Moore, R.**, & Groves Price, P. (2015, February). *Multicultural education around the world: Race & education in Cuba*. Paper presented at the Critical Questions in Education Conference 2015, San Diego, CA.

Groves Prices, P., **Moore, R.** (2015, February). *Changing the way we do math: Critical antiracist mathematics in the post-civil rights era*. Paper presented at the Critical Questions in Education Conference 2015, San Diego, CA.

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Moore, R. (2014, June). *Dewey, Dispositions and Mathematics*. Paper presented at the Northwest Association of Teacher Educators Conference 2014, Pullman, WA.

Moore, R., McKiernan, A., & Higgins, A. (2014, June). *How Does Peer Questioning Affect Students' Ability To Reason Mathematically In A Context Where Strategic Peer-Questioning Is Explicitly Taught To Elementary Students?* Paper presented at the Northwest Association of Teacher Educators Conference 2014, Pullman, WA.

Klosterman, P., Rapone, B., **Moore, R.**, Clay, J., Knott, L., Adams, A., & Ely, R. (2014, June). *Professional Development Model to Help Teachers to Use Common Core Math Practices in Their Instruction*. Paper presented at the Northwest Association of Teacher Educators Conference 2014, Pullman, WA.

Invited Presentations

Moore, R. (2019, November). Mixed Methods: Emancipating & Rehumanizing Your Research. Presented to the students of Educational Psychology 505: Introduction to Research Methods, Washington State University, Pullman/Spokane/Tri-Cities, Washington.

Moore, R. (2019, October). Rehumanizing Mathematics to Rehumanize Our Students: Rehumanizing Mathematics in Elementary and Middle School. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R. (2019, September). Unwritten Rules for Transitioning to and Maximizing Your University Experience and Beyond. Presented to Ivy Prep Academy's College Prep students, Honolulu, HI.

Moore, R. (2019, March). Rehumanizing Mathematics: Teaching Mathematics for Humanity (TMfH) in Elementary and Middle School. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Vachani, S., Hess, S. & De Leon, H. (2019, January). *Disrupting the School to Prison Pipeline Through a Multi-Disciplinary Trauma Informed Approach*. In **R. Moore (Chair)** *Disrupting the School to Prison Pipeline Through a Multi-Disciplinary Trauma Informed Approach*. Symposium conducted at the Hawai'i Harm Reduction Conference 2019, Honolulu, HI.

Moore, R. (2018, December). Unwritten Rules for Transitioning to and Maximizing Your University Experience and Beyond. Presented to Ivy Prep Academy's College Prep students, Honolulu, HI.

Moore, R. (2018, November). Rehumanizing Mathematics: Teaching Mathematics for Social Justice (TMfSJ) in Elementary and Middle School. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

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Moore, R. (2018, September). “Developing the courage to nurture peace”: A Buddhist high school’s commitment in the face of dehumanization in education. Presented to Pacific Buddhist Academy stakeholders, Honolulu, HI.

Moore, R. (2018, March). (Social Justice)/ [(Teaching) + Mathematics^C] = *Humanization*: Teaching Mathematics for Social Justice in Elementary and Middle School. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R. (2017, March). Just what is TMfSJ anyway?: Teaching Mathematics for Social Justice in Elementary and Middle School. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R. (2017, March). Mixed Methods: Emancipating Your Research. Presented to Métodos Cualitativos I (Maestría En Ciencias De La Gestión) at The Pontificia Universidad Católica Madre y Maestra (PUCMM), Santiago, República Dominicana.

Moore, R., Groves Price, P. (2017, January). (Re)claiming an activist identity as criticalmathematics educators: Addressing anti-black racism because #BlackLivesMatter. Paper presented to the Washington State University Mathematics & Science Education Program, Pullman, WA.

Moore, R. (2016, November). Measuring Student Values: What Secondary Students In Hawai’i Value In Mathematics Learning. Research project presented to the Undergraduate Program in Psychology at El Instituto Tecnológico de Santo Domingo (INTEC), República Dominicana.

Moore, R. (2016, October). TMfSJ and the demands to TEACH differently. Lesson materials used to present to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R. (2016, April). Transitioning to Graduate School. Panel presentation for the TRIO SSS Program from Lewis and Clark State College hosted by Washington State University, Pullman, WA.

Moore, R. (2016, March). TMfSJ and the demands to TEACH differently. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R. (2015, November). Teaching Mathematics for Social Justice. Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R., Holt, R. (2015, June). Beadwork Design: The mathematical thinking behind Coeur d’Alene beadwork design. Presented to Washington State University Coeur d’Alene Tribe STEM, Leadership, and Sports Camp, Pullman, WA.

Beutel, M., **Moore, R.** (2015, June). Oxygen Levels in Water: The science behind fish respiration. Presented to Washington State University Coeur d’Alene Tribe STEM, Leadership, and Sports Camp, Pullman, WA.

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Moore, R., Beutel, M., (2015, June). Oxygen Levels in Water: The mathematics behind fish respiration. Presented to Washington State University Coeur d'Alene Tribe STEM, Leadership, and Sports Camp, Pullman, WA.

Petrie, K., **Moore, R.** (2015, June). Bioacoustics: The mathematics and science behind sound and song. Presented to Washington State University Coeur d'Alene Tribe STEM, Leadership, and Sports Camp, Pullman, WA.

Moore, R. (2015, April). *Values and Mathematics in Hawai'i*. Paper presented at the International Symposium on Educational Research and Practice 2015, Pullman, WA.

Moore, R. (2015, March). What does TFSJ demand that I DO differently? Presented to Washington State University Teacher Education Candidates, Pullman, WA.

Moore, R., Thompson, Y., Muldrow, A. (2015, February). Black Graduate Students at a Predominantly White Institution. Panel presentation to Washington State University Black Student Union, Pullman, WA.

Moore, R., McKiernan, A., & Higgins, A. (2014, June). *How Does Peer Questioning Affect Students' Ability To Reason Mathematically In A Context Where Strategic Peer-Questioning Is Explicitly Taught To Elementary Students?* Paper presented at the International Symposium on Educational Research and Practice 2014, Pullman, WA.

GRANTS & FELLOWSHIPS

CADRE Fellows Program, National Science Foundation's Discovery Research PreK-12, October 2019 funded travel and professional development for a one-year fellowship to work with the Community for Advancing Discovery Research in Education (CADRE), a resource network for STEM education researchers supported by the National Science Foundation (NSF).

P.E.O. Scholar Award, International Chapter of the P.E.O. Sisterhood, April 2019
\$15,000 awarded through a merit-based competition (150 awardees of 945 nominees) for demonstrated ability to make significant contributions in the field, having have assumed leadership positions in university academics and scientific research

R.H. and Jane Logan Presidential Scholarship, WSU, May 2019
\$4,000 of 16,000 (over 4 years) awarded for intent to work with the public school system

Graduate Student Travel Grant, Graduate & Professional Student Association, WSU, May 2019
\$175 awarded to support travel to aid in the dissemination of research at a national conference

Graduate Student Travel Grant, Graduate & Professional Student Association, WSU, May 2019
\$127 awarded to support travel to aid in the dissemination of research at a national conference

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Deborah T. Killinger Scholarship, College of Ed, WSU, April 2019

\$2,000 awarded for outstanding academic performance and professional promise

Graduate Student Travel Grant, Graduate & Professional Student Association, WSU, November 2018

\$731 awarded to support travel to aid in the dissemination of research at a national conference

Graduate Student Travel Grant, Graduate & Professional Student Association, WSU, June 2018

\$635 awarded to support travel to aid in the dissemination of research at a national conference

R.H. and Jane Logan Presidential Scholarship, WSU, May 2018

\$4,000 of 16,000 (over 4 years) awarded for intent to work with the public school system

Alice C. Groth Endowed Scholarship, College of Ed, WSU, May 2018

\$1,800 awarded for awarded to support continued scholarship in education

Deborah T. Killinger Scholarship, College of Ed, WSU, May 2018

\$2,000 awarded for outstanding academic performance and professional promise

Russ and Anne Fuller Fellowship for Interdisciplinary Research, GS, WSU, January 2018

\$4,000 awarded for outstanding interdisciplinary research and demonstrated scholarly productivity

R.H. and Jane Logan Presidential Scholarship, WSU, April 2017

\$4,000 of 16,000 (over 4 years) awarded for intent to work with the public school system

Deborah T. Killinger Scholarship, College of Ed, WSU, April 2017

\$2,000 awarded for outstanding academic performance and professional promise

Russ and Anne Fuller Fellowship for Interdisciplinary Research, GS, WSU, January 2017

\$4,000 awarded for outstanding interdisciplinary research and demonstrated scholarly productivity

Women's Resource Center Student Achievement Scholarship, WRC, WSU, September 2016

\$1,000 awarded for the advancement of education

Laurence J. Peter Memorial Graduate Fellowship in Teacher Education, CoE, WSU, April 2016

\$4,200 awarded for outstanding academic performance and professional promise

Graduate Student Travel Grant, Graduate & Professional Student Association, WSU, April 2016

\$185 awarded to support travel to aid in the dissemination of research at a regional conference

Graduate Student Support Grant, Teaching & Learning, College of Ed, WSU, March 2016

\$500 awarded to promote and support graduate student development and productivity in research, specifically to aid in the dissemination of research at an international conference

Ira and Betty Myers Memorial Scholarship, WSU, February 2016

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\$2,500 awarded to support continued scholarship in education

Laurence J. Peter Memorial Graduate Fellowship in Teacher Education, CoE, WSU, April 2015

\$5,000 awarded for outstanding academic performance and professional promise

Coulter Viola Vestal Fellowship, Teaching & Learning, College of Ed, WSU, April 2015

\$1,000 awarded to support continued scholarship in education

Graduate Student Travel Grant, Graduate & Professional Student Association, WSU, April 2015

\$100 awarded to support travel to aid in the dissemination of research at a regional conference

Graduate Student Support Grant, Teaching & Learning, College of Ed, WSU, December 2014

\$500 awarded to promote and support graduate student development and productivity in research, specifically to aid in the dissemination of research at national conferences

Distinguished Research Assistantship for Diverse Scholars, Washington State University, 2013–2016

\$118,000 awarded to recognize superior academic achievement and continued support towards a career in teaching and research at the college or university level

AmeriCorps Education Award, AmeriCorps to Chaminade University of Honolulu, 2007 – 2009

\$9,500 awarded to support continued scholarship in education

University Scholar Award, University of Chicago, 2002 – 2006

\$36,000 awarded to recognize outstanding achievements and scholarly promise

University of Chicago Grant, University of Chicago, 2002 – 2006

\$93,300 awarded to support continued academic excellence

P-12 DESIGN, TEACHING & LEADERSHIP

Teach For America, New York City, NY

Consultant, Teach For America, National Office, September 2013 – May 2014

- Recruited by the Director of Design from the national-level Teacher Preparation Support and Development Team to lead multiple Culturally Responsive Teaching (CRT) Working Groups
- Designed, developed and facilitated the CRT for Summer Institute Leadership: an action-oriented group of 24 senior leaders from 9 of our 46 regions (Nashville, Phoenix, Atlanta, Houston, Chicago, Detroit, Tulsa, New York City, Los Angeles) focused on developing dispositions for CRT and infusing it in to the daily work at all levels of Institute
- Designed, developed and facilitated CRT for Beginners: a theory-oriented group of 16 state and regional leaders from 8 of our 46 regions (New York, Houston, Oklahoma, Dallas-Forth Worth, Chicago, Rhode Island, Mississippi Delta, Los Angeles) focused on exploring the theoretical foundations of CRT and finding examples of such within their own work
- Facilitated monthly working groups of 40 leaders to engage in a cycle of awareness, analysis, action and alliance focusing on specific concepts or content areas about cultural responsiveness

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- Work-shopped and analyzed participants' work to develop culturally responsive teachers and foster culturally responsive teaching

School Director, Teach For America, Phoenix, AZ, March 2012 – July 2013

- Recruited by Institute Management Team and was asked to apply based on regional and national recommendations
- Selected as 1 of only 12 leaders from 35 incredibly strong applications seriously considered
- Served as a summer school site's instructional, operational and cultural leader for 10 months
- Oversaw 57 corps members at the institute; will impact the achievement of more than 16,000 students
- Managed and coached a team of approximately 12 Teach For America summer staff members, including 2 school operations managers
- Collaborated with the Curriculum Coordinator and Corps Member Advisor Coordinator to support and manage academic deans, curriculum specialists, literacy specialists, corps member advisors and corps members
- Analyzed school-wide data and developed strategies to ensure maximized corps member learning and student achievement

Selector, Teach For America, National Office, August 2012 – 2016

- Identify and select corps members for the 2013 and 2016 incoming corps
- Interview, evaluate and determine which applicants are invited to the final interview day

Board Member, DoDEA Fort Bragg School Board, Fayetteville, NC September 2012 – May 2013

- Elected to serve as a board member for 11 schools that serve students living on post in grades Pre-K through 8th
- Served as a direct line of communication between the community and the superintendent
- Conducted school visits thrice-monthly, directly interacting with administration, teachers & students (e.g.- school tours, lunch with students and classroom observations)
- Attended monthly school board meetings

Teacher, University Laboratory School, Hawai'i State DOE, Honolulu, HI, August 2010 – May 2011

- Instructor for Algebra I: the math course for all 56 students in the 8th grade
- Instructor for Core Plus II: the integrated math course for all 56 students in the 10th grade
- Coach for Math Counts: United States national math coaching and competition program for middle school students
- Hawai'i Algebra Conference: worked with Curriculum Research & Development Group to plan and organize the October 2010 event

Teacher, St. Louis School Hawai'i, HAIS, Honolulu, HI, April 2010 – May 2010

- Designed and implemented an emergency math intervention program for 54 at-risk students who were failing 8th grade math, Pre-Algebra, Algebra I and Geometry

Board Member, St. Thomas the Apostle School, Chicago, IL, September 2009 – December 2009

- Selected to serve as a board member on the STA School Board

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- Implemented a program of academic and extra-curricular activities in the extended day program, for 20 students in Pre-K through 8th grade

Teacher, Aiea Intermediate School, Hawai'i State DOE, Aiea, HI, July 2007 – July 2009

- Independently researched, discovered and adapted inquiry/discovery cooperative learning systems that allowed students to teach the class on a daily basis, encouraging students to be self-directed, a community contributor, a complex thinker, a quality producer, an effective communicator and an effective and ethical user of technology
- Enabled students' growth on the Northwest Evaluation Association's assessment (a high quality growth assessment that measures a student's learning level on a single equal-interval scale, independent of the student's age or grade level) avg. 1.6 years growth; with 46% of students growing more than 1.5 years and up to 7.8 years growth in only one school year
- Created the Interdependent Challenge: a peer-tutoring program that inspired all 80 8th-grade students' voluntary participation, leading to 75% of the students meeting or exceeding on the Hawai'i State Assessment (HSA)-aligned 2nd Qtr. Exam, of which 90% of total students were previously failing
- Achieved results on the HSA-aligned 1st Qtr. Exam that exceeded the 8th grade school avg. by 20% in the "meets and exceeds" categories
- Head Coach for the 7th and 8th grade boys and girls track & field team
- Served on the School Community Council, which created the "GT Summit," a day in which all Gifted and Talented 6th graders from feeder elementary schools experienced a day in the life of an AIS student, addressing the decreasing enrollment of "Gifted and Talented" students

University of Chicago, Chicago, IL

Lead Building Manager, Office of the Reynolds Club & Student Activities, June 2005 – July 2006

- Monitored daily activities in Reynolds Club and Bartlett Hall; managed the daily operations of the Marketplace, including tabling accessible to vendors and the 400+ Registered Student Organizations to promote their organization through the provision of events for the student body
- Facilitated events in the Reynolds Club and Bartlett Hall, such as Orientation Week events for the 1,000 entering freshmen
- Supervised 9 evening building managers, created agendas and meeting minutes for bi-weekly staff meetings, facilitated work orders
- Created an online system of submitting and tracking daily operational reports about our three student activities centers from the 9 evening building managers

Teacher, Ariel Community Academy, Chicago, IL, November 2003 – December 2005

- Created and implemented a program of academic and extra-curricular activities in the Extended Day Program, for 20 students in Pre-K through 8th grade; prepared 6th – 8th graders for proficiency tests and high school entrance exams
- Assisted in managing daily activities of 4th and 5th grade science class
- Initiated and coached, through conducting conditioning sessions and practices, a 15 athlete, co-ed track team

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SERVICE

International

- **Voting Member (first graduate student)**, International Committee for Mathematics Education and Society, June 2015 – 2017

National

- **Reviewer**, Journal for Research in Mathematics Education, NCTM Jrnl., December 2019 – present
- **Reviewer**, SIG-RME, American Educational Research Association, June 2018 – present
- **Reviewer**, *Mathematics Teacher*, NCTM Journal, April 2018 – present
- **Reviewer**, NCTM Research Conference, August 2015 – present

University

- **Chair**, Scholarship Committee, Hawai'i Chapter, Alumni Association, WSU, January 2019 – present
- **Co-Founder**, Professional Development Initiative, WSU, January 2016 – May 2016
- **Voting Member**, President's Commission on the Status of Women, WSU, May 2015 – May 2016
- **University Representative**, Graduate Students of Education, WSU, April 2015 – May 2016
- **District Representative**, Graduate & Professional Student Assoc., WSU, April 2015 – May 2016
- **Senator**, Graduate & Professional Student Association, WSU, February 2015 – April 2015
- **Voting Member**, College of Education Diversity Committee, WSU, September 2014 – May 2016
- **Member**, Black Graduate Student Association, WSU, August 2013 – May 2016

Affiliations

- **Member**, American Educational Studies Association (AESA), October 2019 – present
- **Member**, Hawai'i Council of Teachers of Mathematics (HCTM), December 2017 – present
- **Member**, Math Teachers' Circle of Hawai'i (MaTCH), September 2016 – present
- **Member**, The Academy for Educational Studies (AES), January 2015 – December 2015
- **Member**, National Council of Teachers of Mathematics (NCTM), April 2014 – present
- **Member**, American Educational Research Association (AERA), January 2014 – present
 - Social Context of Education, Division G, (AERA), January 2014 – present
 - Measurement and Research Methodology, Division D, (AERA), January 2018 – present
 - Socio-Political Issues in Mathematics and Science Education, SIG 184, (AERA), Jan 2020 – present
 - Research in Mathematics Education, SIG 87, (AERA), January 2014 – present
 - Mixed Methods Research, SIG 158, (AERA), January 2018 – present
 - Critical Educators for Social Justice, SIG 144, (AERA), January 2018 – present
 - Indigenous Peoples of the Pacific, SIG 146, (AERA), January 2018 – present
 - Confucianism, Taoism, Buddhism, and Edu., SIG 171, (AERA), January 2018 – present
 - Paulo Freire, SIG 159, (AERA), January 2019 – present
 - Multicultural Edu.: Theory, Research & Practice, SIG 162, (AERA), January 2019 – present
 - Research Focus on Black Education, SIG 085, (AERA), January 2019 – present
 - Urban Learning, Teaching, and Research, SIG 147, (AERA), January 2019 – present
 - Chaos and Complexity Theories, SIG 17, (AERA), January 2018 – present
 - Systems Thinking in Education, SIG 124, (AERA), January 2018 – present
- **Member**, Hawai'i Council of Teachers of Mathematics (HCTM), July 2010 – August 2011

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STUDENT RESEARCH ADVISING

Bachelors Degree Completed

- Maira Birrueta, Psychology, *The Role of Hope in Academic Perseverance among Ethnic Minority Students*; University of Nebraska-Lincoln Minority Health Summer Research Program (SRP); University of Oregon, PhD in Counseling Psychology
- Crysta Cady, Psychology, *Perception of Parental Attitudes in Higher Education*; Seattle University, MAEd in Clinical Mental Health Counseling
- Ariana Garcia, Sociology, *Effects of Music Videos on College Students*; Colorado State University, MEd in Counseling and Career Development; University of Nevada Las Vegas, PhD in Higher Education
- Jalisa Harris, Digital Technology & Culture and Communications, *Mitigation and Resilience Strategies in Climate Change and Environmental Equity: Addressing the Impacts of Rising Sea Levels on Economically and Socially Vulnerable Populations*; University of Cincinnati, MCP of Community Planning
- Janita Harris, Comparative Ethnic Studies and Advertising, *Social Change: Engaging College Students in Social Justice Education*; University of Chicago, MA in Social Service Administration
- Jackelyn Hidalgo, Kinesiology, *Social and Physical Participation Among Children with Sensory Processing Disorder*; Washington State University, PhD in Prevention Sciences
- Meaghan Logan, Psychology, *Cultural Differences in Internalizing and Externalizing Behaviors Among School-Aged Children*; Gonzaga University, MA in School Counseling
- Juan Lopez, Comparative Ethnic Studies, *Creating Accessible Opportunities for the Under-represented Latino Migrant Community Enrolling in Higher Education*; University of Washington, MEd in Leadership in Higher Education
- Christine Mars, Social Sciences, *Plurality of Perspectives: Effect of Parent Training on Caregiver Disability Construct*; STRIVE, VISTA Program and Outreach Coordinator, Portland, Maine; University of Kansas, MS in Early Childhood Education
- Daniel Purkeypyle, Political Science, *The Effects of Political Communication on Participation, Polarization, and Identity of Young Adults*; Summer Undergraduate Mentored Research at the University of Cincinnati (SUMR-UC); The Ohio State University, MPA in Public Administration
- Miguel Valencia, Criminal Justice; Spanish, *Volunteers and Staff Members Role in After School Programs*; Camp Adventure, Japan; University of Cincinnati, MS in Criminal Justice
- Angie Winkle, Comparative Ethnic Studies; Criminal Justice, *Critically Analyzing College Admissions and its Affect of Students of Color*; University of Washington, MA in Cultural Studies
- Jasmine Cheatham, Human Development; Kinesiology, *Prosocial Outlet Effects In Disadvantaged Neighborhoods*; Teach For America (Nashville, TN); Lipscomb University, MEd in Special Education
- Daejha Hare, Psychology, *Academic Performance in Overweight Adolescents in the United States*; University of Nevada- Las Vegas, MEd in Higher Education
- Karla Martinez, Biochemistry, *Investigation of Peptides as Molecular Probes for Detection and Capture of Neocytes*; Rensselaer Polytechnic Institute's LSAMP Summer Research Program
- Yadira Oregon, Political Science, *Access, Opportunity, and Institutional Outreach for Hispanic Parents*; Summer Research Institute (SRI) at University of Arizona; University of Pennsylvania

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- Lionor Galindo, Human Development, *Latina Mother's Influence on Their Preschool Children's Self-Regulation of Eating: A Longitudinal Study*; University of California Davis, MS in Child Development
- Crystal Galvan, Sociology, *Black-Latino/a Student Relations at a Predominantly White Institution*; 2016 Summer Research Opportunities Program (SROP) at the University of Illinois at Chicago; University of Illinois at Chicago, MA in Latin American and Latino Studies
- David Navarro, Wildlife Ecology and Conservation Sciences, *Determining the Accuracy of Deer Behavior Patterns from different Accelerometer Settings*; Indiana University 2016 REU Program in Animal Behavior; Oregon State University, MS in Fisheries and Wildlife Science
- Shantel Rita, Psychology; Sociology; Human Development; Comparative Ethnic Studies, *College Adjustment of Students from Hawai'i in a Predominately-White Institution*
- Samantha Romero-Sabo, Biology, *The molecular mechanisms of Campylobacter jejuni-host interactions*; Washington State University, funded through The Laboratory of Dr. Konkel
- Terrell Ware, Biology, *A look at Prosocial in the Classroom: The influence of Teacher Behavior on Prosociality*; The Ohio State University's Summer Research Opportunities Program (SROP); The Ohio State University, MEd in Life Science Education
- Haley Delgado, Pre-Health Biology, *Using C. Elegans to study membrane composition, mitochondrial activity and aging*; Baylor University, Master of Public Health with a USDA Fellowship
- Guadalupe Gonzalez, Sociology and Communications, *Making Sense of Virginity Loss and Sexual Debut in the Media*; University of Washington, Master of Social Work
- Tanya Garnica, Criminal Justice and History, *The Impacts of School Disciplinary Policies on the Academic Achievement of Latino Youth and the School-to-Prison Pipeline*; University of California-Irvine's Summer Undergraduate Research Fellowship (SURF) Program; Indiana University, Educational Leadership
- Sandra Larios, Sociology; Psychology, *Racial Awareness of American College Freshman Students Attending a Predominantly White University*; Washington State University, MA in Curriculum and Instruction
- Lysandra Perez, Psychology; Spanish, *Latino/a College Students Transition Experiences: Collectivism to an Individualistic Environment*; Purdue University Summer Research Opportunity Program (SROP); Purdue University, PhD in Sociology

HONORS & AWARDS

CADRE Fellows Program, National Science Foundation's Discovery Research PreK-12, October 2019

P.E.O. Scholar Award, International Chapter of the P.E.O. Sisterhood, April 2019

Russ and Anne Fuller Fellowship for Interdisciplinary Research, The Graduate School, WSU, April 2018

Russ and Anne Fuller Fellowship for Interdisciplinary Research, The Graduate School, WSU, April 2017

Executive of the Year Award, Graduate & Professional Student Association, WSU, April 2016

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Graduate Student Instructor Excellence Award, Graduate & Professional Student Assn, WSU, April 2016

Sue Lehmann Excellence in Teaching Award, State of Hawaii, 1st Runner-Up, March 2009