

**DANIELLE J. MALONE**  
**Richland, WA 99352**  
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**(509) 851-1439**

## **EDUCATION**

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### **Washington State University, Tri-Cities, WA**

Ph.D. Mathematics and Science Education, Expected May 2023

Advisor: Judith Morrison, Ph.D.

### **Mississippi State University, Mississippi State, MS**

M. S. Science Education, 2017

Advisor: Ryan Walker, Ph.D.

### **University of Mississippi, University, MS**

B.A.Ed. Science Education (Chemistry), 2015

Advisor: William Sumrall, Ph.D.

## **PROFESSIONAL EXPERIENCE**

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### **Graduate Research Assistant**

Washington State University, Richland, WA

Under Supervision of Annick Rougee, Ph.D.

### **Graduate Clinical Researcher**

Washington State University, Richland, WA

Computer Science Teacher Education Project, Fall 2017 – Present

Under Supervision of Judith Morrison, Ph.D. and Jonah Firestone, Ph.D.

### **Graduate Teaching Assistant**

Washington State University, Richland, WA

TCH\_LRN 445 – Technology in Elementary Education, Spring 2020

## **RESEARCH INTEREST**

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My research interest includes understanding how students exercise agency within a science classroom, the dialectic interaction between structure and agency in classrooms, as well as how learners are negotiating structure-agency within their educational experiences. I am further interested in how agency develops and how this agency influences the formation of one's science identity.

## **PUBLICATIONS**

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**George, D. J., & Hammer, N. I.** (2014). Studying the Binomial Distribution Using LabVIEW. *Journal of Chemical Education*, 92(2), 389-394.

## **CONFERENCE PROCEEDINGS**

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**Malone, D.,** Morrison, J., Firestone, J., (2020, January). Professional Development for Supporting K-12 Teachers on Computing and Computational Thinking. Poster session presented at the international conference of Association for Science Teacher Education, San Antonio, TX.

Morrison, J., Firestone, J., **Malone, D.,** (2019, January). K-12 Teachers' Implementation of Computing and Computational Thinking. Small group roundtable presented at the international conference of Association for Science Teacher Education, Savannah, GA.

## **GRANTS**

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### **K-12 TEACHING EXPERIENCE**

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#### **Secondary Science Teacher, 2017-2019**

Grandview School District

Grandview High School, Grandview, WA

Chemistry Educator

#### **Secondary Science Teacher, 2015-2017**

Louisville Municipal School District

Louisville High School, Louisville, MS

Chemistry Educator

## **HONORS**

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University of Mississippi Science Education Award, 2015

## **AFFILIATIONS**

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National Science Teachers Association, NSTA

Association for Science Teacher Education, ASTE

American Education Research Association, AERA

National Association for Research in Science Teaching, NARST