# Education & Credentials

## University of California Davis

Ph.D. Mathematics Education In progress

## California State University Sacramento

Masters of Arts in Educational Technology (iMET 13) May 2014

## California State University Humboldt

Bachelor of Arts in Mathematics May 2006

Bachelor of Arts in Liberal Studies Education May 2006

Single Subject Credential: Mathematics Active

Multiple Subject K-8 Credential Active

# Professional & Teaching Experience

***Spring 2018 School of Education***

***Associate In (AI) – EDU 180ABC Computers in Education***

Delivered course content and assessed student learning and understanding of course material.

***Fall 2017 – present School of Education***

***Teacher Supervisor, Single Subject UC Davis Teaching Credential/MA Program***

Responsible for supervising single subject math student teachers during their practical clinical work in their school setting and provided a written evaluation of student teacher’s performances. Regularly counseled student teachers, visited them in their site placement, conferred with the cooperating teacher(s), and debriefed after forums, seminars and observations.

***Winter 2018 School of Education***

***Teaching Assistant, EDU 180ABC Computers in Education***

Supported instructor T. White and J. Higgs in grading and facilitating course content.

***Winter 2017 & 2018 School of Education***

***Teaching Assistant, EDU 122 Children, Learning and Material Culture***

Supported instructor T. White in grading and facilitating course content.

***Fall 2017 School of Education***

***Teaching Assistant, EDU 110 Educational Psychology: General***

Supported instructor S. Mattingly in grading and facilitating course content.

***2016 – 2018 Academic Technology Services (ATS)***

***Instructional Design Assistant / GSR***

Working with lead instructional designers and faculty to analyze and find solutions to current teaching, learning, and research challenges. Provide support for individualized consultations, including, idea concept to full implementation and assessment. Knowledgeable in effective teaching practices, student engagement strategies, and use of appropriate technologies that meet course learning objectives. Advanced iMovie, Canvas, and Lecture Questioning knowledge.

***Summer 2017 School of Education***

***Associate In (AI) – EDU 122 Children, Learning and Material Culture***

Delivered course content and assessed student learning and understanding of course material.

***2015 – 2017 UC Davis Reading Rules***

***Volunteer***

Under the supervision of Nancy Calhoun and Ryan Grimm, postdoctoral scholars at UC Davis SAV Lab/UC Davis Reading and Academic Development Center. Assisting in gathering data for larger research project through classroom observations. Attended multiple data collection trainings to ensure all observers reached reliability in coding classroom observations.

***2015 – 2016 UC Davis C-STEM Center***

***Graduate Student Researcher***

Co-designing a research model for improving math achievement through the use of robotics, and programming with Dr. Harry Cheng. Coordinates implementation for research, including providing on demand professional development for participating teachers, conducting classroom observations for teachers participating in research, providing curriculum support for C-STEM teachers and coding data gathered from observations, trainings, interviews and assessments for future analysis.

***RoboBlockly Curriculum Development, Design and Implementation***

Managed curriculum development and design for mathematics, robotics and coding activities for Math Grades 4 – 8, Algebra I and Robotics/Computer Science Elective courses under the supervision of Dr. Harry Cheng. Facilitated and designed ongoing professional development for RoboBlockly implementation, a block-based coding platform.

***C-STEM CaMSP Project***

Coordinates and directs K-12 curriculum development and teacher trainings for Solano and Yolo grants. Assists the Director with overseeing general grant management, including day to day management of the grant participants, data collection and scheduling/coordination of all events.

***2014 – 2015 Woodland Joint Unified School District***

***Secondary Mathematics Pilot Consultant***

Managing a three-program mathematics pilot for Integrated Math I – III. Responsible for organizing program trainings and material swaps for 15 participating teachers.

***2013 – 2015 Woodland Joint Unified School District – District Office***

***Teacher on Special Assignment – Secondary Education, Mathematics***

Managed communication and collaboration between all stakeholders for Secondary Education, Mathematics. Organized and facilitated all secondary math professional development for teachers, administrators and parents. Coordinated curriculum development for mathematics curriculum grades 7-12. Managed district secondary math placement guidelines and assessments. Facilitated the creation of district wide benchmark assessments and data analysis teams.

***2006 – 2013 Douglass Middle School, Woodland CA***

***Teacher – Algebra I, Algebra I Support, Geometry and AVID 7/8***

Developed and implemented standard driven grade level curriculum. Active participant on school site council, PTA and leadership team. Mentored new teachers, aiding in developing solid classroom management skills and instructional practices. Implemented strategic math course designed to close the learning gaps for students performing below grade level. Prepared students for college and careers.

### Presentations

*UC Berkeley Guest Lecturer* March 2018

Guest lecturer for EDUC 130 Knowing and Learning in Mathematics and Science

*UC Davis Guest Lecturer*

Guest lecturer for EDU 110 Educational Psychology: General Fall 2017

*UC Berkeley GSE Annual Research Day* April 2017

Presenter – Mathematical Autobiographies: A Narrative Approach to Bridging Beliefs, Values, and Past Experiences with Future Instructional Practices.

*Conference on Integrated Computing and STEM Education* November 2015

Chair presenter – RoboBlockly: Engaging students in computing, robotics and math

### Certifications & Professional Development

BTSA Support Provider – WJUSD 2012 - 2014

BTSA Professional Growth Panel Member – WJUSD 2012 - 2013

AVID Site Coordinator – Douglass Middle School 2012 - 2013

Teacher Mentor at Douglass Middle School 2011 - 2012

*CaMSP C-STEM+ Professional Development Program* Summer 2014

60 hours focused on basic computer programming, basic robotics, and CSTEM alignment with CCSS mathematical practices & concepts.

*“Chance Encounters: Statistics & Probability in the Common Core”* Summer 2014

A Summer Mathematics Institute for Teachers of Grades 7 – 12.

*“Secondary EL Strategies for EL Success”* Fall 2013

3-day Intensive Fall Institute Focusing on Strategies for English Learner Success Under the Rigorous CCSS.

### Graduate Advisors

Associate Professor Tobin White

School of Education, UC Davis [twhite@ucdavis.edu](mailto:twhite@ucdavis.edu)

Professor Rebecca Ambrose

School of Education, UC Davis [rcambrose@ucdavis.edu](mailto:rcambrose@ucdavis.edu)