

## EDUCATION

### **Bachelor of Science in Mathematics for High School Teacher Certification**

Abilene Christian University, Abilene, Texas

May 2015

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## TEACHING RELATED EXPERIENCE

### **Student Teacher**

March 2015 – May 2015

Academy of Technology, Engineering, Math & Science, Abilene, TX

- Assumed responsibility for instruction of Algebra I and Geometry students.

### **Student Teacher**

Jan. 2015 – March 2015

Clack Middle School, Abilene, TX

- Assumed responsibility for instruction of Algebra I and 8<sup>th</sup> Grade Math students.

### **Teaching Assistant for MATH 019**

Jan. 2014 – Dec. 2014

Abilene Christian University, Abilene, TX

- Instructed developmental math students in number theory, algebra, and geometry.
- Developed a diverse range of instructional techniques.

### **Teaching Assistant for MATH 237**

Aug. 2014 – Dec. 2014

Abilene Christian University, Abilene, TX

- Facilitated pre-service elementary teachers in maturing their mathematical knowledge.
  - Provided additional instruction to developing students.
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## RESEARCH AND PRESENTATIONS

### **Undergraduate Research Festival, Presenter**

March 2015

Abilene Christian University, Abilene, TX

- Portrayed a Lesson Study intended to improve students' proof writing.
- Analyzed students' proof understanding from the research.
- Publicized future directions for enhancing proof writing of students.

### **Teacher Work Sample, Developer and Instructor**

Spring 2015

Learning unit on factoring quadratic trinomials for Algebra I students.

- Pre-assessed students' knowledge on factoring to form instructional decisions.
- Employed formative assessments to determine students' understandings and misconceptions.
- Reflected on and evaluated student mastery of content with post-assessment.

### **Lesson Study Professional Development, Primary Researcher**

Fall 2014

Abilene Independent School District, Abilene, TX

- Distinguished mathematical proof as the largest learning gap for Geometry students.
- Researched causes of this learning gap.
- Devised and implemented a lesson to address determined knowledge gaps.
- Assessed students' understanding of mathematical proof and learning.

### **Lesson Study Professional Development, Researcher**

Spring 2014

Abilene Independent School District, Abilene, TX

- Investigated knowledge gaps of quadratic functions in Algebra I and II students.
  - Designed and taught a lesson to address the determined knowledge gaps.
  - Evaluated the lesson for effectiveness in addressing the knowledge gaps.
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# JANESSA BEACH

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## HONORS

<b>Abilene Christian University Valedictorian</b> Determined by 4.0 GPA.	Spring 2015
<b>University Scholar</b> Appointed by ACU Faculty Senate.	April 2015
<b>Sam McReynolds Teaching Award</b> Appointed by Mathematics Department.	April 2015
<b>Alpha Chi National College Honor Society, Member</b>	Spring 2012
<b>Kappa Delta Pi, Member</b>	Spring 2013
<b>Dean's List</b>	Five Semesters

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## PROFESSIONAL MEMBERSHIPS

<b>National Council of Teachers of Mathematics, Member</b>	2014 – present
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