ADAM CLINCH

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Work Experience

***Capital High School, Helena, MT,* Math Teacher 8/2014 - Present**
Taught Honors Precalculus (dual credit, DC), College Statistics (DC), College Algebra (DC), Honors Math 1, and Technical Math (DC). I am the first to implement standards-referenced grading, flipped classrooms, Desmos Activity Builder investigations, guided note packets, and recorded lessons in my department, in support of student access and equity. Also, have been a coach for our boys' soccer program.

***UM Math Department, Missoula, MT,* Math Instructor 8/2011 – 5/2014**
Instructor for Math 121 – College Algebra, a course where students study the properties of functions. Teaching Assistant for Math 115 – Probability and Linear, an introduction to probability models, Bayes' Theorem, probability distributions, and statistics.

***Upward Bound, Missoula, MT,* Counselor/Teacher 5/2011 - 7/2011 and 2014**
Guided first-generation college bound students as they prepared for university while overcoming obstacles. Tutored math as well as performed basic resident assistant responsibilities. Also taught an Algebra 2+ summer course to the advanced students, focusing on modeling, collaboration and project-based learning.

***University of Wisconsin, Madison, WI* Plasma Physics Research 5/2010 - 8/2010**
Worked alongside Dr. Cary Forest and Dr. Carlos Paz-Soldan in mapping the kink instabilities of a line-tied plasma as it underwent reconnection. To do so, I taught myself the mathematical programming language MATLAB.

Education

The University of Montana, Math Dept., 8/2011 – 5/2014 GPA: 4.0

- M.A. in Mathematics
- *Master's Project*: Designed and investigated interest in a Math Seminar capstone course curriculum that integrates history and abstract math topics.

Phyllis J. Washington College of Education
The University of Montana, 8/2011 - 12/2012 GPA: 4.0

- M.Ed. in Curriculum & Instruction
- *Master's Project*: Designed an interactive chapter of a geometry textbook for the iPad.

The University of Montana, 8/2007 - 5/2011 GPA: 3.97

- B.A. in Mathematics and Physics. Graduated summa cum laude with high honors and as a Presidential Scholar for top graduate in the math department.

Capital High School, Helena, MT, 8/2003-5/2007 GPA: 4.0

- Graduated as a valedictorian, yearbook editor, team captain for varsity soccer.

Awards/ Honors

- ***Distinguished Educator*** Selected by a graduating senior as the teacher who made the greatest impact. One of 30 teachers selected in my district, 2020
- ***Published in Graduate Textbook*** Wrote a piece that was accepted for publication in the Handbook of the Mathematics of the Arts and Sciences. My chapter is titled *Ancient Greek Methods of Measuring Astronomical Sizes* and details the historical development of ancient Greek methods for measuring the size of the Earth, the distance to the Moon and the Sun, and the size of the Moon and the Sun, 2020
- ***National Board Certification*** Achieved National Board Certification in the Mathematics Adolescence and Young Adulthood Category, 2019
- ***Knowles Teacher Initiative Fellowship*** Highly competitive, five-year professional development program and network of the top 30 beginning STEM teachers; funding annually for materials, extended professional development, and conferences; multiple hundreds of applicants nationally, 2014-2019
- ***20 Under 40*** Selected as one of my city's top 20 most impactful citizens under 40 years of age in regard to impact and moving the community forward, 2019
- ***Published in the National Council of Teachers of Mathematics Journal "Mathematics Teacher"*** Wrote an article based on my classroom inquiry work that focused on developing a new technique for teaching factoring of trinomials to help students with different learning styles, 2018
- ***Graduate Student Distinguished Teaching Award*** Top graduate instructor or teaching assistant out of 25 graduate students, 2012
- ***Presidential Recognition Award*** Top graduate in Math Department, 2011
- ***Lennes Exam First Place*** Undergraduate Math Competition, 2011
- *Coauthor for a paper published in the AIP Physics of Plasmas journal for work done during my Research Experience as an Undergraduate at The University of Wisconsin, 2010*

Skills

Computer Skills

- <u>*Desmos Graphing Calculator & Activity Builder*</u>: Created dozens of custom activities through activity builder and hundreds of interactive displays in graphing calculator for my classes, under the account ajclinch@gmail.com.
- <u>*Excel:*</u> Fluent in basic programming in Excel and analyzed 293 responses for my master's project by utilizing pivot tables and basic statistical analysis.
- <u>*R Programming Language:*</u> Fluent in basic functionality and used R to run statistical tests for independence and hypothesis tests for master's project.
- <u>*App Writing:*</u> Utilized basic HTML code to write GeoGebra embedded apps for hands-on, interactive geometry features included in my published iBook.

Other Skills

- <u>*Mathematical Modeling*</u>: Through my two graduate statistics courses on Statistical Methods and another in Education Research, designed the research model to be used for my master's project.
- <u>*Professional Writing:*</u> Co-wrote a published article on the effects of international mathematics testing and its implications in the United States and Montana for the May 2014 issue of the *Montana Council of Teachers of Mathematics Journal*.