

Eric Fay

www.linkedin.com/in/EricDFay

Mathematics Teacher at *Woodland Jr/Sr High School* in Baileyville Maine
September 2016 - June 2018

- Taught geometry, algebra, trigonometry, statistics, and computer science to students between the ages 14 through 18 years
- Created at least 80% of educational materials and assessments

Bachelor of Arts in Mathematics and **Bachelor of Science in Physics** from *Rutgers, The State University of New Jersey*
September 2012 - May 2016

- Learned to write proofs and communicate abstract concepts precisely
- Presented 40 minute blackboard lectures
- Attended advance and graduate courses, conferences, and seminars such as Biology Bootcamp
- Completed Research Experiences for Undergraduates (REU) program on Knot Theory
 - worked with a group of 5 graduate students on understanding the current field
 - attended a week long conference in Montreal
 - regularly presented informal lectures on relevant topics
- Wrote programs to analyze physics experiments

Associate of Science in Science and Mathematics and **Associate of Science in Physics** from *Raritan Valley Community College* in New Jersey
July 2011 - December 2012

- Developed habits of independent learning
 - started using online education resource such as MIT Open Course Ware
 - Initiated informal study group on advance mathematics topics such as abstract algebra and tensor analysis
- Practiced communicating technical information in small groups
- Tutored physics
- Learned to present solution neatly with diagrams and calculations for fellow engineers to validate

Volunteer Trail Crew Member with *American Conservation Experience* based in Flagstaff Arizona
January 2011 - July 2011

Thru Hiker along the *Appalachian Trail* from Georgia to Maine
April 2010 - September 2010

Studied Computer Science at Rochester Institute of Technology
September 2006 - June 2007

Skills(years-of-use): Python(4), Linux(12), Java(4), LaTeX(5), R(1), Javascript(2), HTML(3), C++(1), Linear Algebra(3), Mathematical Analysis(2), Machine Learning(1), Statistics(2)

Certificates: HarvardX: Data Science Professional Certificate (8 of 9 completed)