Eric Fay

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 relavent topics
- Wrote programs to anaylze 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
  - Met after classes with friend to share knowledge
- Practiced comunicating 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 Geogria to Maine
April 2010 - September 2010

Studied Computer Science at Rochester Insitute 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)