Eric Altenburg

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Education

Stevens Institute of Technology, Hoboken, New Jersey — Graduating - May 2021
- B.S. Computer Science | Minor in Pure and Applied Mathematics
- GPA: 3.85
- Dean's List 2018 - Present | Upsilon Pi Epsilon
- Coursework:
  Algorithms | Automata and Computation | Computer Organization and Programming | Data Structures | Database Management | Discrete Structures | Intermediate Statistics | Intro to Web Programming and Web Development | Operating Systems | Programming Languages | Systems Programming

Mercer County Community College, West Windsor Township, New Jersey — Transferred - Aug 2018
- A.S. Computer Science
- GPA: 3.96
- President's List 2017 | Dean's List 2018 | Phi Theta Kappa

Skills

Languages C/C++, Java, LaTeX, OCaml, Python, R
Machine Learning Classifier Decision Trees
Operating Systems Linux Ubuntu, macOS
Software Eclipse IDE for Java Developers, g++, GitHub, IntelliJ IDEA

Employment History

Stevens Institute of Technology, CS Dept., Hoboken, NJ — Aug 2019 - Present
Algorithms Course Assistant
- Provided one-on-one instruction for about 30 students
- Enjoyed interacting with my students because it challenged me to come up with different approaches for thinking about the same concept
- Assisted professor in grading assignments and exams

Texas State University, San Marcos, TX — Jun 2019 - Aug 2019
Undergraduate Research Assistant
- Collaborated along-side a professor and another peer to produce a model capable of predicting drone battery consumption pre-flight
- Built a classifier decision tree in Python designed to analyze raw flight data and produce a prediction for all the maneuvers it will perform during its flight

Projects

Modified Euler 43 Stevens Institute of Technology — Feb 2020
- Solved a modified version of the Euler 43 where when given a pandigital number of varying length, will find all permutations deterministically in sub 3 ms

Project Peak Personal — December 2019
- Automated the setup of a MacBook by writing a bash script to auto-install Xcode and applications with Homebrew
- Old Sublime Text settings were copied into their respective directories to maintain consistent settings across multiple machines

Philly Codefest Drexel University — May 2019
- Built a model that helps current and future students better understand financial loans used to help pay for college
- Integrated an API from the Bureau of Labor Statistics in Java that allows one to view potential earnings in their respective field, then provides a breakdown for paying off a customized loan amount
- Received an honorable mention from Vanguard

Project Pound Personal — Jan 2019
- Developed a calculator for displaying the amount and type of plates to add to a barbell for a specified weight using Java