Eric Altenburg

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Education

Stevens Institute of Technology, Hoboken, New Jersey — Graduating - May 2021
- Bachelors of Science in Computer Science
- 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
- Associates of Science in 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
- Reinforce understanding of course material to students by holding office hours, meeting with them individually, leading lab sessions, and occasionally holding lectures in the absence of the professor
- Assist 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 2019
- 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

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

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