

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
- Weight Calculator** 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
- Operation Peak** Personal December 2019
- Automated the setup of a MacBook by writing a bash script to auto-install applications and copy previous Sublime Text settings to their respective directories