

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 potentially just get rid of all of this since it's pretty common knowledge and put grad electives and stuff
- 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, L^AT_EX, 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 MASS** 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