Eric Altenburg

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Education

Stevens Institute of Technology, Hoboken, New Jersey   Graduated - May 2021
    Bachelors of Science in Computer Science | Minor in Pure and Applied Mathematics
    GPA: 3.9 | Dean's List | Upsilon Pi Epsilon

Coursework:	Data Structures	Systems Programming	Web Programming I & II
	Algorithms	Creative Prob. Solv. & Team Prog.	Agile Methods for Software Development

Mercer County Community College, West Windsor Township, New Jersey   Transferred - Aug 2018
    Associates of Science in Computer Science
    GPA: 3.96 | President's List | Dean's List | Phi Theta Kappa

Skills

Experienced With JavaScript, Java, OCaml, HTML, CSS, LaTeX, Python   **Familiar With** C, C++, MATLAB, R
Technologies Express, Firebase, Git, GraphQL, Linux, macOS, MongoDB, Node.js, React, Redis

Work Experience

Stevens Institute of Technology, Hoboken, NJ   Aug 2019 - May 2021
Course Assistant
– Assisted for Algorithms, Programming Languages, and Software Development Process
– Led weekly office hours to help students with both theoretical and programming problems
– Held weekly labs to teach programming concepts and problem solving methods
– Graded over 100 exams and assignments on a weekly basis

Texas State University, San Marcos, TX   Jun 2019 - Aug 2019
Pre-Flight Battery Consumption Model for UAV Missions | Undergraduate Research Assistant
– Collaborated on a team of three to produce a machine learning model to predict drone battery consumption pre-flight
– Predicted a drone's flight maneuvers with 95% accuracy by creating a classifier decision tree
– Evaluated the risk analysis of using different machine learning models to ensure a desirable accuracy while making sure the learning curve does not derail the project's timeline

Projects

Shifts Stevens Institute of Technology. Hoboken, NJ   May 2021
– *Node.js, React, GraphQL, Firebase, Socket.io, WebSockets, Workers, Git*
– Created a full-stack chatroom application with a team of four to facilitate discussions about stocks
– Utilized multi-threading to generate a list of stock tickers from a web scraper that evaluated multiple sources
– Used WebSockets to gather real-time price quotes for a list of stock tickers which were then streamed to the front end client using Socket.io

Lighthouse Stevens Institute of Technology. Hoboken, NJ   Dec 2020
– *Node.js, Express, AJAX, MongoDB, Handlebars, HTML, CSS, Git*
– Developed a full-stack application with a team of four where students can better connect with their peers and instructors for a given class
– Implemented a web forum for posting on different class pages with a vote based ranking system
– Built a front end interface with client-side input validation connected via AJAX request to multiple endpoints for processing and serving data

CA-Bot for Discord Personal. Hamilton, NJ   Aug 2020
– *Node.js, Firebase, Git*
– Worked on a team of four to create a bot capable of managing office hours for course assistants on a Discord server
– Implemented administration authorization features through development testing while ensuring the code was compartmentalized to promote maintainability for future releases

Philly Codefest Drexel University. Philadelphia, PA   May 2019
– *Java, Android Studio, Git*
– Built an app 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