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Education

Johns Hopkins University

Baltimore, Maryland, USA

B.S. IN COMPUTER SCIENCE AND APPLIED MATH

August 2017 - Present

GPA: 3.96 | Relevant Coursework: Data Structures, Intermediate Programming, Computer System Fundamentals, Automata and Computation Theory, Discrete Math, Calculus III, and Linear Algebra

Skills

Programming C, C++, JAVA, JavaScript, MATLAB, LaTeX, Python

Web Django with Python, HTML5, CSS, PHP

Softwares MySQL, Arduino, MATLAB, Logger Pro, Graphical Analysis, and Microsoft Office

Experience _____

Johns Hopkins Center for Language and Speech Processing

Baltimore, Maryland

RESEARCH ASSISTANT

September 2017 - Present

- · Collaborated with a Ph.D. student to develop the front-end for a system that collects annotations on speech patterns, mimicking Amazon Mechanical Turk.
- · Incorporated an existing interface into the data collection system that dynamically interacts with the user using JavaScript/ReactJS.

Booz Allen Hamilton

Annapolis Junction, Maryland

TECHNICAL INTERN

June 2018 - August 2018

- · Developed reconnaissance nodes with a team of interns capable of detecting the location of drug smugglers as they use radios to transmit information while crossing the US/Mexico border.
- · Created a web app using Django backed by a MySQL database, HTML, JavaScript, and CSS that would alert officials about the estimated locations of drug smugglers.

Yale Department of Mechanical Engineering and Material Science

New Haven, Connecticut

RESEARCH INTERN

June 2017 - August 2017

- Developed a 3D model for fluid-driven granular beds to aid in understanding the physics behind grain motion and soil erosion using MATLAB and C++.
- Ran simulations on high performance computing facilities for 3D bumpy granular media to mimic real sands and rocks.

Naval Submarine Medical Research Laboratory

Groton, Connecticut

SCIENCE AND ENGINEERING INTERN

June 2016 - August 2016

- Designed a 3D model of a submarine control center for the U.S. Navy and optimized human factors and anthropometric methods.
- Incorporated microprocessors and LEDs to simulate the environment of a control center.

Extracurricular Activity _____

CollegeVine Remote

CONSULTANT May 2017 - Present · Helped students discover their interests, develop significant self-motivation, and become high performing individuals.

· Guided both parents students through the entirety of the college admissions process, from editing essays to helping make a final enrollment decision

Charm City Science League

Baltimore, Maryland

MENTOR

September 2017 - Present

- · Worked with middle school students across Baltimore City in building hands-on STEM experiments to prepare them for Science Olympiad competitions.
- · Helped to organize the events for both the regional and the state Science Olympiads in Maryland.