Elliot J. Hayes

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Education

University of Maryland, College Park
Bachelor of Science expected May 2021
Major: Computer Science
Minor: Statistics
GPA**:** 3.7

Relevant Courses

- Algorithms
- Applied Probability and Statistics I
- Computer and Network Security
- Databases
- Data Structures
- Introduction to Data Science

Skills

Java, Python, C, SQL, Kotlin, Ruby, x86 Assembler, MIPS Assembler, OCaml, SAS, Microsoft Office, Linux/Unix

Experience

Undergraduate Researcher, Department of Economics, University of Maryland, May 2019 - Present
- Develop Python program to scrape information about thousands of documents written in the 1600s
- Develop Python program to automate Google searches and collect additional data
- Parse and clean the data to ensure meaningful and analyzable datasets
- Test programs to ensure accurate data collection
- Evaluate datasets for usability

Service Desk Intern, Navy Federal Credit Union, May 2018 - August 2018, December 2018 - January 2019
- Identified issues in company systems
- Categorized issues to minimize system downtime
- Prioritized issues to reduce negative impacts of outages
- Closed problems following an IT Service Management (ITSM) model
- Minimized adverse effects of service outages by working with the Incident Management team to restore normal service operation as quickly as possible
- Ensured customer satisfaction with the level of support received

Programming Experience

- Placed second in the Washington D.C. Lockheed Martin Code Quest competition, a computer competition where 2-3 students work together for 2.5 hours to solve problems through creating programs.
- Participated in the Microsoft College Coding Competition, a skill-based contest highlighting speed, accuracy and agility in solving coding problems.

Personal Projects

- Developed multiple programs to automate complex tasks in an online game
- Scraped and analyzed Boston Marathon data from 2009 - 2019
- Developed a replica of the 1972 arcade game "Pong" using Java
- Developed a replica of "Snake" using Java

Current Clubs/Organizations

- Maryland Club Running
    - Organize running groups to create an inclusive environment for less competitive members
    - Coordinate weekly team gathering to encourage team bonding
- Remote Control Flying Terps