

Elliot J. Hayes

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Education

University of Maryland, College Park
Bachelor of Science expected May 2021 (105 credits currently)
Major: Computer Science, Minor: Statistics
GPA: 3.7

Quince Orchard High School, Gaithersburg, MD
Graduated May 31, 2017
GPA: 3.6

Relevant Courses

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

Experience

Undergraduate Researcher, Department of Economics, University of Maryland, May 2019 - Present

- Designed, developed, and tested Python program to scrape information about thousands of documents written in the 1600s and a Python program to automate Google searches and collect additional data
- Parsed and cleaned the data collected to ensure meaningful and analyzable datasets

Service Desk Intern, Navy Federal Credit Union, May 2018 - August 2018, December 2018 - January 2019

- Identified, categorized, prioritized, and 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

Skills

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

Programming Experience

- Placed second in the Washington D.C. Lockheed Martin Code Quest competition, described by Lockheed Martin as 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, described by Microsoft as 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
- Remote Control Flying Terps

Community Service

Family Services Inc; 2015–2017 - Math and reading tutor to disadvantaged middle school students