Thomas Varano

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Education

University of Maryland – College Park
BS / MS Computer Science Program
Minor in Mathematics
Graduation: May 2023, BS in 2022
GPA: 3.95

Relevant Coursework

Object Oriented Programming II	Linear Algebra	Intro to Computer Systems
Discrete Structures	Calculus III	Organization of Programming Languages
Applications of Linear Algebra	Algorithms	Advanced Data Structures
Applied Probability and Statistics	Intro to Data Science	Analysis of Computer Algorithms

Skills

Programming Languages (Proficient:) Java, Python, C, JavaScript   **(Experience:)** Assembly (MIPS), BASH, SQLite, Ruby, OCaml, Rust, Swift
Technologies: Git, LaTeX, HTML / CSS, Flask, Google Cloud, Heroku, JUnit, VSCode, XCode, Vim, Windows, MacOS, Linux

Experience

Teaching Assistant · University of Maryland   August 2020 - Present
- Act as office hours and grading teaching assistant for CMSC 132 (Object Oriented Programming II).
- Hold virtual office hours for students, teaching data structures in Java and helping students debug projects.

IT Intern · Fidelity National Financial   July 2020 - August 2020
- Imaged devices, set up workstations, configured print servers.
- Troubleshot various server and user issues either in person or over remote connection.
- Learned intricacies of numerous software programs regarding installation, troubleshooting, and repair, maintaining the effectiveness of coworkers.

Teaching Assistant · Pascack Hills High School   Sept 2018 - June 2019
- Taught students fundamental programming techniques, focusing on Java. Helped debug and analyze students' projects.
- Co-found Advanced Topics in Computer Science class, with curriculum involving Python, webdev, Swift, and Arduino.

References available upon request.

Projects

Ocean Pollution Analyzer · Competition Project   2020
- A UMD Data Challenge project analyzing Booz Allen Hamilton data on ocean pollution cleanups.
- Hosted a **Python flask** webapp to illustrate the effectiveness of cleanups and which places were reported to have the most pollution.
- Created and accessed a **SQLite** database to analyze over 45,000 rows of data.

Portfolio Site · Personal Project   2019-2020
- Created and maintained a website holding resume, contact, and bio information.
- Used **HTML**, **CSS**, **jQuery**, and **Python** to host on **Google Cloud**.

Career Day · School Project   2018-2019
- Sorted 800 students to their preferred Career Day speakers in accordance with their top choices and an assortment of variables.
- Lead a team of 12 student programmers in **Java** and **Python** using **Git** to merge different groups' code to a final project.
- Acted as Project Manager, assigning tickets, bugs, and features, while also working on the project firsthand.

Agenda · Personal Project   2017-2018
- Kept track of rotating schedules, labs, GPA, and time management for high school students.
- Released an app for OSX, iOS, and web, using **Java**, **Swift**, and **HTML**, **CSS**, **JS**, and **Python** respectively

Project links: tomvarano.com/about   Github: github.com/tvarano

Activities / Leadership

Open Sourcery
- Computer Science club specializing in open source cooperation and contribution. Weekly meetings either involve workshops on varying technologies or breakoffs where different groups within the club discuss and work on their own team projects.
- Acting Personal Relations Officer, fielding member questions, running social media, sending announcements, and spearheading outreach for new members.

Sigma Phi Delta
- Engineering Fraternity
- Risk Manager: Mitigize Covid risk and ensure all events adhere to Covid guidelines.
- Engage and Network with other Engineers / Computer Science Majors.

CompuTerps
- Computer Science Discussion Club
- Discuss popular topics in technology, from both a consumer and developer perspective.

Running Club, University Jazz Band, Terrapin Ski Club, UMD Spikeball Club