Daniel S. Yi

www.danielsyi.com ⋄ dyi30@terpmail.umd.edu ⋄ (240) 802 - 9161
8322 Potomac Ave, College Park, MD 20740

Education

University of Maryland — College Park, MD
B.S. in Computer Science — Expected Dec. 2023
University Honors: Honors College — Dec. 2022
Cumulative GPA: 3.510

Technical Skills

Programming Languages: Java, C, Ruby, OCaml, MIPS Assembly, HTML/CSS/JavaScript
Technology: G Suite (Google Docs, Slides, Sheets), Arduino, Matlab, Processing, R, Git, Amazon Web Services (AWS), Wireshark

Programming Experience

Element Solutions Internship — Washington, DC
Software Engineering Intern — Sep. 2022 - Apr. 2023

- Conducted research on how to format healthcare information to the FHIR health standard through the use of AWS
- Developed tutorials on how to use AWS for other interns to reference throughout the internship

BitTorrent Client Project — College Park, MD
Tracker Communications Coordinator — Sep. 2022 - Dec. 2022

- Collaborated in a team of 3 to build a working BitTorrent Client from scratch in C utilizing GitLab for comprehensive version control
- Wrote code for sending HTTP GET requests using TCP sockets to the tracker and receiving responses from the tracker

Health Monitoring App Project — College Park, MD
Health Monitoring App Project — Sep. 2022 - Dec. 2022

- Worked in a team of 3 to develop multiple prototypes for a well-designed health app using basic User Interface (UI) and User Experience (UX) principles
- Created a medium-fidelity prototype using HTML, CSS, and JavaScript to effectively simulate how our app would operate without implementing backend functionality

Autonomous Unmanned Systems Research Lab — College Park, MD
Undergraduate Research Assistant — Aug. 2019 - Dec. 2020
Research Advisor: Dr. Derrick Yeo

- Investigated the role of autonomous systems in an environment using algorithms that control multiple unmanned sailboats
- Collaborated with peers on a research project on autonomous sailboats using Matlab to simulate real-world conditions

Over Sand Vehicle Project — College Park, MD
Electronics Team Leader — Aug. 2019 - Dec. 2019

- Built an autonomous vehicle that extinguishes flames with a team of 8 people
- Lead the electronics sub team to work with circuits, wiring, batteries, and Arduino board