Finn Roblin

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EDUCATION

University of Michigan — Ann Arbor, MI
Bachelor of Science in Computer Science, GPA: 3.9/4.0 — *Anticipated April 2024*

- Relevant Coursework: Data Structures and Algorithms; Intro to Computer Organization; Foundations of Computer Science; Programming and Data Structures; Introduction to Probability; Discrete Math; Linear Algebra; Machine Learning (Coursera MOOC)
- Relevant Activities: Quantitative Investment Society; Michigan V1; Michigan Triathlon

EXPERIENCE

Instructional Aide — Data Structures & Algorithms — August 2022 – Present
University of Michigan College of Engineering — *Ann Arbor, MI*

- Instructional Aide/Teaching Assistant for EECS 281: Data Structures & Algorithms
- Furthered student understanding of material by holding office hours and lab section

Software Dev Engineer Intern — June – August 2022
Amazon Web Services — *Virtual, CA*

- Developed for Data Prepper, an open source unified observability ingestion solution for AWS OpenSearch
- Implemented a JSON processor and CSV processor & codec which support 100+ internal migrations away from competitor's product
- Utilized processors to create end-to-end pipeline example of ingesting and analyzing AWS CloudFront Access Log location data

Barista — June – August 2021
Starbucks — *Redwood City, CA*

- Prepared coffee and food orders efficiently and accurately
- Implemented efficient beverage batching techniques to manage high customer traffic, learning to make 50+ drinks
- Contributions during tenure facilitated 35% increase in Store's Customer Satisfaction score

Junior Fellow — June – August 2019
Fast Forward — *San Francisco, CA*

- Aided operations of Fast Forward's Accelerator, a startup program that has accelerated 70 technology nonprofits
- Streamlined job postings database using Amazon Mechanical Turk automation, improved Wordpress website
- Communicated with donors, supported Accelerator event logistics, and designed new efficient media database

TECHNICAL SKILLS

Languages: C++, C, Python, Java, SQL, JavaScript, TypeScript, Git
Frameworks: React.js, Django, Node.js, Bootstrap
Libraries: Pandas, Tensorflow, Numpy, Matplotlib

PROJECTS

Zenblock | *Typescript, Express/Node.js, React, PostgreSQL, Redis, Docker* — GitHub

- Develop full-stack productivity web application for timeblocking and tracking tasks
- Winner of a Contrary Capital grant through Build Blue accelerator program
- Integrate with Google Calendar API to sync user schedule and aid daily planning
- Serve content using GraphQL and PostgreSQL database, utilize Redis to manage session state

Frictionless Nonprofit Search | *Django, Bootstrap, GlobalGiving API* — GitHub

- Build web application for frictionless search of nonprofit organizations
- Serve content using GlobalGiving API

Privacy-protecting Google Nest Modification | *Arduino, EasyVR* — GitHub

- Modified Google Nest smart speaker with Arduino and voice recognition plugin
- Reprogrammed Nest mute switch to prevent data collection of ambient noise