Nebil Ozer

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EDUCATION

University Of Maryland, College Park   August 2021 – Present
Bachelor's Degree In Computer Science; GPA: 3.9   *College Park, MD*
Relevant Classes Taken/Taking:
CMSC 420: Adv. Data Structures - CMSC 422: Intro to Machine Learning - CMSC 426: Computer Vision -
CMSC 818J: Selected Topics in CS: Domain Specific Architectures

Quince Orchard HS   August 2016 – June 2021
High School Diploma   *Gaithersburg, MD*

SKILLS

Proficient Languages: Python, Java, Javascript/Typescript, C/C++, MATLAB, SQL, Rust, Assembly, Ocaml
Interests: Systems Programming, Computer Architecture, Machine Learning, IOT, Full-stack Web Development
Tools: React/React Native, Docker, Spring Boot, Cypress, Git, Atlassian, TensorFlow, Unix
Personal Skills: Team Player, Honest, Hardworking, Willing to Learn

EXPERIENCE

Software Engineer Internship   Jan 2023 - Present
S&C Electric Company   *Remote*
- Worked Part-time for an average of 20 hours a week while attending school full-time in the Spring and Fall semesters. Transitioned to full-time during Summer.
- **Designed, Architectured, and Developed** Desktop and Mobile apps in **Typescript**
- Developed a **REST API** In **Java** using the **Spring Boot** framework and **PostgreSQL** databases.
- Made extensive use of **docker/docker-compose** to package and deploy projects
- Contributed to live code, maintaining and debugging as needed.
- Wrote extensive **Documentation** throughout internship, kept up with **Agile** workflow

Summer 2022 Software Engineer Internship   May 2022 - Aug 2022
S&C Electric Company   *Remote*
- Worked in a team of Software Engineers and Interns to develop an app from scratch using **React Native**
- Researched **Bluetooth Low Energy**, and contributed to a popular public repository in order to facilitate seamless Bluetooth communication of data into the app
- Developed backend technologies in **C**, and frontend applications using **Javascript** and **React Native**
- Used Cypress testing software to write comprehensive **REST API** tests using the SRP-6 Authentication protocol

Hackathon Participation   Maryland
- Utilized various tools in order to develop time-constrained projects with a team
- Won 3rd place at the AWS small business hackathon

PERSONAL DEVELOPMENT

Projects
- Developed a set of CPU benchmarks (memory bandwidth, branch prediction accuracy, etc.) in **C**
- Constructed reasonably well performing **Image Classification AI** using only **Numpy** and **Python**
- Developed a web portfolio for myself using **React JS**
- Manufactured various backend services in **Java**
- Created rudimentary compiler using **OCaml**
- Built rudimentary file storage system and command line interface in **C**

Self Taught / Guided Learning
- Learned **React**, **Python**, **SQL**, and **C** through personal experimentation
- Self-taught in **database management** as well as intermediate level **computer architecture**
- Frequently engage with research papers on the intersection of **Machine Learning** and **Domain Specific Accelerators**