

Nebil Ozer

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EDUCATION

University Of Maryland, College Park

Bachelor's Degree In Computer Science; GPA: 3.9

August 2021 – Present

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

High School Diploma

August 2016 – June 2021

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

S&C Electric Company

Jan 2023 - Present

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, Architected, 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

S&C Electric Company

May 2022 - Aug 2022

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

Research

- Frequently engage with research papers on the intersection of **Machine Learning** and **Hardware Acceleration**
- Currently taking graduate course which culminates in paper related to **Domain Specific Architectures**
- Will work in CASL, a research group led by Professor **Bahar Asgari** in the Spring

Projects/Learning

- Developed a set of CPU benchmarks (memory bandwidth, branch prediction accuracy, etc.) in **C**
- Constructed **Image Classification AI** using only **Numpy** and **Python** with a 92% accuracy
- Developed a web portfolio for myself using **React JS**
- Manufactured various backend services in **Java**
- Built rudimentary compiler in functional programming language **Ocaml**
- Learned **React**, **Python**, **SQL**, and **C** solely through personal experimentation
- Self-taught in **database management** as well as intermediate level **computer architecture**