Maya Subramanian

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EXPERIENCE

VMware / Software Development Intern
Atlanta, GA (remote) | June 2020 - August 2020

- Architected and developed **full-stack** flexible, scalable, API-driven metrics reporting engine to offer business insights about site reliability of 6,000+ virtual machines
- Built **AWS Lambda** function in **Python** to insert Ansible build JSON into **PostgreSQL** database with multi-layer class inheritance
- Enabled team to build infrastructure resilience by viewing AWS QuickSight report of top 100 most frequently failed Ansible tasks

Wolverine Support Network / Director of Tech & Operations
Ann Arbor, MI | March 2019 - present

- Maintained scheduling optimization program and GUI written in **Python** and **JavaScript** used to assign ~400 students to small groups based on availability and diversity of members' identities
- Analyzed survey data of members using SPSS to inform non-profit partner and 6 other student mental health programs nationwide
- Facilitated weekly peer groups for ~10 students, encouraging an open, inclusive dialogue about struggles of college life and ultimately empowering and supporting students' mental health

PROJECTS & ACTIVITIES

VMwellness Web App / VMware Intern Hackathon
August 2020

Drove ideation, design, and development of web app encouraging wellness in the workplace by offering interactive features and resources with **Django** web framework, **MySQLite3** backend, and **HTML / CSS** frontend alongside team of 6 interns

Jane Street / UNBOXED Program Fellow
August 2020

Implemented an algorithm that trades on stock exchange while exploring applications of computer science within the quantitative trading firm by learning **OCaml** and tools used at Jane Street

Study Buddy / Personal Project
July 2020

Developed study tool in **React.js** to encourage productive work habits by offering interactive Pomodoro timer, goals checklist, and Spotify music dashboard, hosted on **AWS EC2**

EDUCATION

University of Michigan
Ann Arbor, MI | 2018 - 2022
College of Literature, Science and the Arts, B.S.
Major: **Computer Science**

SKILLS

Back End:
C++, C, Python, SQL (MySQL, PostgreSQL)

Front End:
HTML / CSS, Django, React

Tools / Methodologies:
Agile (Scrum), AWS, Git, JIRA, Postman, Docker, RESTful API, Database Design, SPSS

COURSEWORK

Data Structures & Algorithms
Computer Organization
Theory of Computer Science
Discrete Mathematics
Statistics & Data Analysis
Matrix Algebra

EXTRACURRICULARS

Kappa Theta Pi - Professional Tech Fraternity D&I Chair
Michigan CSE Department D&I Student Action Committee
Crisis Text Line Counselor