

Maya Subramanian

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 used to assign ~400 students to small groups by availability and identity
- 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

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EDUCATION

University of Michigan

Ann Arbor, MI | 2018 - 2022

College of Literature, Science and the Arts, B.S.

Major: **Computer Science**

COURSEWORK

Data Structures & Algorithms

Computer Organization

Theory of Computer Science

Discrete Mathematics

Statistics & Data Analysis

Matrix Algebra

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

EXTRACURRICULARS

Kappa Theta Pi - Professional

Tech Fraternity D&I Chair

Michigan CSE Department D&I

Student Action Committee

Crisis Text Line Counselor