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Jonathan Mo

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Charlottesville, VA

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EDUCATION

University of Virginia | Charlottesville, Virginia | May 2022

School of Engineering and Applied Sciences, Major GPA: 3.9

- *Major:* Computer Science, B.S.
- *Relevant Courses:* Algorithms, Cloud Computing, Database Systems, Advanced Software Development, Program & Data Representation, Programming Languages for Web Apps

EXPERIENCE

Capital One

June 2021-August 2021

Software Engineer Intern

McLean, Virginia

- Utilized Angular to implement client-side redesign of dashboard page of Agile Maturity Assessment internal tool
- Used Java Spring Boot to add new server-side features and refactor PostgreSQL database tables for more efficient queries
- Learned a plethora of other technologies: WireMock, Mockito Unit Testing, Docker, API Endpoint Registration, and AWS Deployment Pipelines.

NASA Langley Research Center

May 2020-August 2021

Software Engineer Intern

Hampton, Virginia

- Used Django and PostgreSQL to redesign NASA CEOS Training site and implement social media sharing options.
- Created Python scripts to parse JSON files to connect new API endpoints.
- Wrote and tested Python scripts to automate trend analysis of NASA training data, decreasing manual time by 240%.
- Coordination Lead of web-development team.

University of Virginia Computer Science Department

August 2019-Present

Undergraduate Teaching Assistant

Charlottesville, Virginia

- CS 1110 - Lectured principles of programming to students in lab sections while encouraging teamwork. Aided students with debugging strategies, graded programming assignments and examinations.
- CS 3240 – Act as a Product Manager as students spend a semester learning the fundamentals of web development using Django framework and PostgreSQL through an agile workflow.

PROJECTS

PostgreSQL Internship Tracking Database

August 2020

- Created PostgreSQL application to efficiently monitor internship application statuses.
- Utilizes Python to parse input data and connect to database.

COVID-19 Analysis Website

May 2020-June 2020

- Created website using HTML/CSS to display COVID-19 trends for every country in the world.
- Developed scripts using BeautifulSoup to pull live data and update models.

ACTIVITIES

- UVA Club Tennis Travel Team
- Madison House Hospital Volunteer
- Study abroad in Guatemala, Summer 2019

SKILLS

- C++, Java, Python, PHP, TypeScript, SQL, Git, Bash, Django, Angular, Java Spring Boot, AWS.