

Home Address
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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, Artificial Intelligence, Advanced Software Development, Program & Data Representation, Theory of Computation, Software Development Methods, Discrete Mathematics, Digital Logic Design, Probability, Linear Algebra.

EXPERIENCE

NASA Langley Research Center

May 2020-Present

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.

Computer Science Department, University of Virginia

August 2019-Present

Teaching Assistant Lab Lead

Charlottesville, Virginia

- Lectured the principles of programming to students in lab sections while encouraging teamwork.
- Aided students with debugging strategies, graded programming assignments and examinations.

University of Virginia Health System

February 2019-May 2020

Volunteer Program Director

Charlottesville, Virginia

- Utilized Microsoft Excel to record volunteer hours and training data.
- Organized large groups of students and motivated towards giving back to community.

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

- Proficient with C++, Java, Python, HTML, Django, Git, Bash.
- Experience with SQL, CSS