Junho Lee

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EDUCATION

University of Virginia — **Expected May 2025**
BA, Computer Science and minor in Statistics — *Charlottesville, VA*
- Relevant Coursework: Data Structures and Algorithms 2, Computer Systems and Organization 2
- 4.0/4.0 GPA, two-time Dean's List of Distinguished Students

Thomas Jefferson High School for Science and Technology — **June 2022**
4.502/4.0 GPA — *Alexandria, VA*

WORK EXPERIENCE

Cornell Runtime Verification Research — **May. 2023 – Present**
Research Assistant — *Remote*
- Collaboratively building Python variation of JavaMOP, a Java software testing framework
- Evaluated pros and cons of third-party and native libraries to potentially integrate into project
- Fixed two bugs in related open-source repository DynaPyt, with pull requests merged
- Wrote Python wrapper for Java packages to reuse JavaMOP components
- Designing/documenting software architecture and a syntax for writing software tests

UVA CS 2120: Discrete Mathematics and Theory 1 — **Jan. 2023 – Present**
Teaching Assistant (During Academic Year, Excluding Summers) — *Charlottesville, VA*
- Holding weekly office hours to guide students through technical problems
- Participating in weekly staff meetings to grade quiz questions and discuss logistics
- Assisting instructor during lectures and answering students' questions

PROJECTS

Light CMS — **May. 2023 – Present**
- Building headless, serverless content management system (CMS) on AWS for website content
- Wrote Node.js REST APIs to fetch/edit content on NoSQL database with authentication
- Deployed cloud services under custom subdomains; working on React frontend
- AWS services used: Lambda, API Gateway, DynamoDB, Cognito, S3, CloudFront

DataProfiler (Open-source Contributions) — **May. 2023 – Present**
- Wrote 15+ merged pull requests fixing Python type-checking errors, LSP violations, etc.
- Fixed project's mypy type-checking configuration; documented steps to update dependencies
- Worked with maintainers to resolve issues and merge changes in continuous integration

ResuMatch (HooHacks 2023) — **Mar. 2023**
- Queried LinkedIn job data and matched descriptions to keywords from PDF resumes
- Wrote Flask backend with REST API, combining team members' contributions
- Presented project to hackathon judges with live demo

Wikipedia iOS App (Open-source Contributions) — **Dec. 2022 – Jan. 2023**
- Wrote 5+ merged pull requests fixing issues in caching, URL encoding, scrolling, copying, etc.
- Identified and fixed bugs reported by app users in large Swift/Objective-C codebase

SKILLS (Most to Least Proficient)

Python, Java, JavaScript, C++, C, Git, React, Node.js, HTML, CSS, Bash, AWS, R, Swift