GRAHAM SCHOCK

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EDUCATION

The George Washington University May 2022 (Expected)

B.S in Computer Science
Overall GPA: 3.9
Major GPA: 4.0
4 years study abroad in New Delhi, India

TECHNICAL SKILLS

Languages	Python, C/C++, Java, Rust, JavaScript, LaTex, mySQL, SQLite, mongoDB, PHP
Workflow	Git, Azure, AWS, Linux, Emacs, Docker, Agile
Technologies	Django, React, Ruby on Rails, Selenium, Angular, Office Professional
Operating Systems	Linux, Windows, macOS, CompositeOS

WORK EXPERIENCE

The George Washington University October 2018 - Present
Operating Systems Researcher *Washington, DC*

- Maximized developer productivity and championed continuous integration testing through containerization
- Worked with advanced coding practices/methodologies and rigorous coding standards
- Selected to be a fellow for the SEAS Undergraduate Program in Engineering Research for Summer 2020, in addition to being a partial recipient to an NSF grant (totalling $6,000)

Department of Computer Science (GWU) January 2020 - Present
Teaching Assistant *Washington, DC*

- Conducted lab sections and designed coding projects for multiple undergraduate courses with a total of 120 students
- Lead 4+ office hours a week and preform remote code reviews on GitHub
- Responsible for porting course to an online format due to COVID-19

TECHNICAL PROJECTS

Composite OS + Linux Kernel December 2019

- Contributing to CompositeOS to provide composite with a layer of P.O.S.I.X functionality through para-virtualization of the Linux Kernel
- Lead to a more powerful API and easier integration with external libraries
- Required deep knowledge of Linux and Unix systems and ability to extract details from a large code base (27 million LOC)

LC3 Assembly Auto-Grader June 2020

- Created an auto grader for GW's "Computer Architecture" course in C++ and Python
- Wrote extensive unit tests for a wide variety of edge cases
- Calculated minimum levenshtein distance between each project for plagiarism detection

Full Stack Graduate Administrative System February 2020

- Collaborated with a team of 3 Computer Science students to design and build an end to end Graduate Administrative System utilizing a LAMP stack
- Wrote and tested code to implement features and improve user experience using MySQL, PHP and HTML
- Allowed for creating, reading, updating and deleting graduate school records

LEADERSHIP

Professional Development Chair Theta Tau Fraternity

- Manage a committee of brothers to design events and workshops focused on professional development
- Championed Resume Workshop, Budgeting Workshop and Excel Workshop
- Named All Academic Team Captain for the Theta Tau Atlantic Region and received a Foundation Scholarship