Jason A. Ashley

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Education

University of Virginia Charlottesville, VA   **Expected Graduation May 2021**

Bachelor of Science, Double Major in Computer Science and Computer Engineering

Relevant Coursework: Algorithms, Embedded System Design, and Defense Against the Dark Arts

Combined Majors GPA 3.9/4.00

Skills

- Proficient in Python, C, C++, and JavaScript and derivatives; familiar with Java and Matlab
- Personal and work experience with both Amazon Web Services and Google Cloud Platform
- Experience using/configuring Linux (Debian, Arch, and CentOS based distros), macOS, and Windows
- Web development with a LAMP/LEMP stack, as well as Node.js and Bootstrap

Development Projects

UVA Scheduler

- Tool designed for helping students navigate the complex scheduling environment
- Utilizes Python, Node.js and several popular libraries, and MongoDB
- Oversaw group of interns at DevHub throughout development process

ImageDirWalk

- Software designed as part of project to migrate images from local machines to cloud storage
- Tags images based on Google's Cloud Vision API and performs certain formatting during upload
- Utilizes Python, Bash, and Google Cloud Platform

Work Experience

Lancium Compute Charlottesville, VA   **September 2019 - Present**

Developer

- Develop tools for containerization and remote management of compute jobs
- Work towards solutions for CPU and GPU job checkpointing and migration
- Communicate and coordinate with engineering teams around the world

University of Virginia School of Engineering Charlottesville, VA   **Summer 2019 & Spring 2020 - Present**

CS 4102: Algorithms & CS4414: Operating Systems Teaching Assistant

- Lead students through problems towards success with individual instruction
- Prepare and organize assignments and assignment schedules
- Assess student performance and communicate results to faculty

Frank Batten School of Leadership and Public Policy Charlottesville, VA   **September 2017 - March 2020**

IT Support and Student Developer

- Work with students and faculty to resolve problems through in-person support
- Communicate with guest presenters to prepare and monitor presentations
- Develop and integrate software solutions to problems presented by faculty

Certifications and Awards

UVA Engineering Dean's List   **Fall 2018 - Fall 2019**

MetaCTF Cybersecurity and Legal Challenge Charlottesville, VA   **October 2018**

Leader of top-scoring University of Virginia team

CompTIA Network+   **June 2016 - June 2019**

Industry certification for network technicians

Activities

International Residential College Council   **Fall 2018 - Spring 2020**

Sustainability Committee

- Organize, participate in, and develop community events that focus on sustainability
- Prepare and monitor communications related to the committee to population of more than 300

Engineering Student Council   **Fall 2018 - Spring 2019**

Communications Committee

- Organizing communications to the Engineering School student body
- Developing a historical record of Engineering School activities