Evan Tung

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Education

B.S. Computer Science *Aug 2019 - May 2023*
Arizona State University, Tempe, AZ *3.54 GPA*

Technical Skills

Programming: JavaScript (Node.js), Python, Java, C/C++, HTML/CSS
Frameworks/Libraries: Django, Express, Spring | React, Bootstrap | pandas, scikit-learn | unittest (Python), JUnit
Cloud Services: Boto3, Amazon S3, AWS Lambda, Amazon CloudWatch, AWS CDK, AWS IAM, DigitalOcean
DevOps: Git, GitHub, Linux, Bash, MongoDB, PostgreSQL, Jira, Jenkins, Splunk
Certifications: Cisco CCNA R&S, MTA: Introduction to Programming Using Java, MTA: Networking Fundamentals

Professional Experience

Amazon Web Services: Software Dev Engineer Intern *May 2022 - Aug 2022*
- Improved an operational metrics retriever to operate in near real-time, from running once a day to once a minute
- Enabled the retriever to operate dynamically instead of using hardcoded mappings, avoiding manually updating them
- Built an auditor lambda to compare operational metrics from the retriever and another source, alarming if they differed
- Worked cross-team to resolve on-call tickets regarding the metrics retriever and the dynamic retrieval process

Liberty Mutual Insurance: TechStart Intern *May 2021 - Aug 2021*
- Refactored and modularized an email communications platform to have separate services for different types of emails
- Updated a React-based customer service portal to display the latest information for the Telematics product
- Developed unit tests for new functionality and increased test coverage for the email communications platform
- Analyzed console output from failed CI/CD builds on Jenkins to fix unit tests and improve code efficiency

Opportunity Hack: Volunteer Intern *May 2020 - Aug 2020*
- Created MedCare, an open-source Electronic Health Records System designed for nonprofit organizations
- Developed the patient conditions and treatments component of the system with a condition-centric approach
- Managed the project with 5 developers using Agile methodologies through GitHub Issues and kanban board

Relevant Projects

Moog: On-board Processing for Lunar Experiment Using GPU Hardware *Aug 2022 – May 2023*
- Built a software telemetry system that examines how a computer runs under intensive load on the Moon
- Designed a modular architecture with modules for serial I/O, system health data collection, and image processing
- Implemented an image segmentation neural network to segment artificial lunar landscapes and stress test the GPU

Liberty Mutual Insurance: TechStart Intern Hackathon *Jul 2021*
- Created an iOS carpooling app for internal employees to improve employee sustainability and reduce carbon emissions
- Performed market and user research to determine the usability and popularity of an internal carpooling application
- Won the First Place and Technical Excellence awards after presenting the application and research to a panel of judges

Extracurricular Activities

Fulton Schools of Engineering Student Council: President *Aug 2021 – May 2022*
- Presided over the Fulton Student Council, an organization that represents the engineering student body at ASU
- Managed the Executive Board and general councilmembers to plan multiple events for engineers throughout the year
- Coordinated the Fulton Student Organizations by holding monthly FSO meetings to discuss topics important to clubs

sunhacks: Director of Hacker Experience *Mar 2021 – May 2023*
- Planned and organized sunhacks, an annual hackathon at Arizona State University
- Selected prizes and prize categories for hackers and projects, and judged projects for different prize categories
- Hosted the opening ceremony of sunhacks and worked onsite for the rest of the hackathon