

Lea Pang

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SUMMARY

- Results-driven Software Engineer who can adapt quickly to new tech stacks while delivering impactful solutions
- Interested in Software Engineering opportunities focusing on backend development and cloud technologies
- Strong communication and problem-solving skills with the ability to excel in team settings and independently

EXPERIENCE

Software Engineer | Cisco

August 2023 - Present

- Boosting adoption of a web app that automates Cisco Catalyst Center testing, built with **Flask, React JS, MongoDB, Docker, and Jenkins**, by implementing new features while addressing feedback from end users
- Developing a data cleaning and preprocessing pipeline using the Python **pandas** library for data manipulation and **SQLite3** for data storage to provide structured Cisco bug data to an AI assistant chatbot utilizing **RAG**
- Implementing **UI automation** with **Selenium** and **API automation** using Python and the **pyATS** test automation framework, to elevate product quality and streamline release cycles for Cisco Catalyst Center features
- Deploying and configuring Cisco switches and **IXIA** equipment to ensure project success during testing phases

Software Engineer Intern | Cisco

June 2022 - Sep 2022

- Developed a **Jenkins** pipeline to automate the team's test bed setup and execution for Cisco Catalyst Center
- Implemented **Bash shell** and **Groovy** scripts in the Jenkins job to abstract complex pyATS CLIs
- Integrated device telemetry visibility by implementing pyATS health checks for CPU and memory usage
- Leveraged live demos to provide key stakeholders with insights into the benefits of Jenkins for test execution

Departmental Assistant | UCI Department of Chemistry

July 2021 - June 2023

- Established a systematic process to coordinate guest speaker travel arrangements for seminar events
- Managed a weekly **Mailchimp** newsletter to increase student engagement and attendance at department events
- Published news content on the department's website with **Drupal** servers to enhance user engagement

EDUCATION

Bachelor of Science in Computer Engineering | University of California, Irvine

Sep 2019 – June 2023

- GPA : 3.8
- Latin Honors: Cum Laude

SKILLS

Programming: Python, Java, JavaScript, C/C++, Groovy, SQL Queries, Go, Selenium

Web Development and Databases: Flask, HTML, CSS, React JS, MongoDB, SQLite, MySQL

Machine Learning and Data Science: TensorFlow, Scikit Learn, Pandas, OpenAI API

DevOps and Cloud Platforms: Jenkins, Docker, Git

Networking and Virtualization: L2/L3 Switching, Routing, DHCP, DNS, LDAP, VMWare ESXi

Tools: Bash Shell Scripting, Unix Shell, Postman, Confluence

PROJECTS

Power Systems Engineer | UCI HyperXite Team

July 2022 - June 2023

- Collaborated with a team of five to design and integrate efficient power delivery for the team's Hyperloop pod
- Designed a three-phase inverter schematic and **PCB** using **EAGLE Autodesk** to drive the linear induction motors

CERTIFICATIONS

Cisco Certified DevNet Associate

January 2024

Software Development and Design, REST APIs, Application Deployment and Security, Network Automation