YAO WEI LEE (JASPER)

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SKILLS

Programming languages	Python, SQL, MATLAB, Bash, Javascript
Python Libraries/Modules	Numpy, RPyC, Pandas, sqlite3, matplotlib
Data Storage	SQLite, PostgreSQL
Technical Skills	Selenium, Appium, Django, Jira, Jenkins, Gitlab
Languages	English, Mandarin Chinese, Cantonese, Malay, Proficient in Spanish and Korean

WORK EXPERIENCE

AUDIO QUALITY ENGINEER, ZOOM – JULY 2022 - JAN 2024

- Developed a multipurpose SQLite based internal audio library with 20+ features used by 50+ Audio Team engineers for R&D efforts.
- Developed new features for Test Automation (TA) framework to decrease test time on manual tests using **Python libraries and modules** on Zoom Meetings and Zoom Phone on multiple platforms.
- Enhanced Continuous Deployment initiatives to automate test execution runs and to generate automated test reports by leveraging **Jenkins** as a core component within TA framework.
- Optimized TA workflow, achieving real-time monitoring of test runs and decreasing manual efforts of up to 5 minutes per test case across 4000 test cases per run through implementation of a **Webhook** based monitoring system.
- Developed and executed test plans for new Audio features for Zoom Clips, Zoom Client, Zoom Events on **TestRail.**
- Ensured stable user experience by conducting Regression Tests on Zoom features, identifying and documenting major bugs causing crashes or feature failures via **Jira & Confluence**.
- Effectively pinpointed critical audio related General Availability blocking bugs on Zoom Events Feature pre-release and triaged with cross regional engineering teams, ensuring timely release.

HARDWARE QA ENGINEER, CISCO SYSTEMS – OCTOBER 2020 - FEBRUARY 2022

- Took on role as Lead EMC Engineer for Cisco Micro Switch Series working with international cross-functional teams(Software, Hardware) based in India and Italy and completed compliance requirements on schedule before First Customer Shipping.
- Actively worked on EMC Compliance Testing for Cisco Catalyst 9000 series products in different stages of product development from prototype to launch. Created and executed test plans under supervision of Tech Lead.
- Saved significant time for every test run by developing test scripts in **Python** to automate manual tasks such as inventory management, switch port configuration, manual test monitoring through.
- Successfully identified and debugged critical Electromagnetic design failures in prototypes together with engineers from cross functional teams in Cisco products line such as Cisco Catalyst.

EDUCATION

IOWA STATE UNIVERSITY | AMES, IOWA

Bachelors of Science, Electrical Engineering | Graduated December 2018