

Raymond Ma

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WORK EXPERIENCE

Software Quality Operations

May 2021 – Present

Waymo - Contractor

Mountain View, CA

- Analyze the behavior of Waymo's autonomous vehicles by triaging safety related behavioral issues within driving events from both on road testing and virtual simulation runs
- Provide test reports to engineers to identify and escalates any issues found, leading to an average of 10 bugs filed per week with a triage recall accuracy of at least 90%
- Mentor a team of up to 10 people, conducting 1-on-1s and group mentoring sessions to review team member's work, improving team members' triage recall accuracy to at least 90%
- Collaborate with specialists in the development of workflow training materials and review through PowerPoint, along with hosting quality sync presentations every 2 weeks to improve team escalation accuracy to 60%

Autonomous Vehicle Test Operator

Mar 2021 – Apr 2021

Cruise

San Francisco, CA

- Evaluated initial software issues and areas of problematic behavior by operating Cruise's autonomous vehicle and conducting road testing, accumulated 80 real world milage a day
- Collaborated with technicians and engineers on developing and executing test procedures, troubleshooting any hardware or software issues, as well as performing safety inspections
- Assisted in the data collection of real-world driving events including city road mapping, pedestrian behaviors, weather impacts, and various traffic conditions
- Generated daily reports on Word and Excel providing test feedback and analysis on the vehicle's performance

PROJECTS

NBA Postgame Excitement Rater

Python

- Developed an excitement rater for daily NBA games using live data obtained from the NBA API
- Utilized the YouTube API to retrieve highlight videos for each game from the NBA YouTube channel
- Trained multiple logistic regression win prediction model with 75% accuracy to generate metrics for the rater

Automated URL Opener

Python, Flask

- Programmed a task scheduler that enable users to schedule URLs to automatically open at a specific time, date, and frequency via custom commands through their system's Crontab
- Created a custom GUI along with a separate Flask web app to increase accessibility to interact with commands

iMessage Good Morning Bot

Python, AppleScript

- Built a bot to send customizable texts every morning that included greetings, weather broadcasts, national holidays, pictures, and more obtained from various web scrapers and website APIs

EDUCATION

Bachelor of Science in Computer Science - University of California, Irvine

2019

- Honors: Dean's Honor List

TECHNICAL SKILLS

Languages: Python, C++, Java

Technologies: Git, Flask, API, Tkinter, SQL, OpenCV