

Raymond Ma

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WORK EXPERIENCE

Software Quality Operations – Senior Associate

May 2021 - Present

Waymo (via Akorbi)

San Francisco, CA

- Perform quality assurance on the behavior of Waymo's autonomous vehicles by evaluating safety related behavioral issues in both real world and simulated driving events
- Provide feedback to engineers by reporting any issues found leading to an average of 10 bugs filed per week with a triage recall accuracy of at least 95%
- Lead a team of 10 people, conducting 1-on-1s and group mentoring sessions to review team member's work for conformance to quality standards, improving team members' triage accuracy to at least 90%
- Collaborate with senior specialists in the development of training materials and workflow review through PowerPoint, and hosting bi-weekly quality sync to improve team productivity and quality standards

Autonomous Vehicle Test Operator

Mar. 2021 – Apr 2021

Cruise (via Aerotek)

San Francisco, CA

- Evaluated initial vehicle issues and areas of problematic behavior by operating an autonomous vehicle daily leading to improvements in the performance of the vehicle, accumulated 80 real world milage a day
- Collaborated with technicians & engineers on developing and executing specialized test procedures, troubleshooting any hardware or software issues, as well as performing vehicle checks and 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 reports on Word and Excel providing detailed test feedback and analysis on the vehicle's performance, behavior, and operation

PERSONAL PROJECTS

Automated URL Opener

Python

- Wrote a task scheduler application that let users schedule URLs to automatically open at a specific time
- Enables the ability to add, edit, and delete custom command into the user's Crontab
- Created a Tkinter GUI along with a Flask web application that allow users to easily input desired time and URL

Minecraft Combat AI

Python, TensorFlow

- Trains AI agent to learn the optimal way to fight enemies in a custom arena, taking into account terrains and obstacles for pathfinding
- AI training uses a deep reinforcement learning algorithm called Asynchronous Advantage Actor Critic (A3C)

EDUCATION

University of California, Irvine

Bachelor of Science, Computer Science, Specialization in Intelligent System

Dean's Honor List

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java
- **Framework, Databases, and Tools:** Flask, SQLAlchemy, Git, Tkinter, Excel, PowerPoint
- **Hobbies and Interests:** Bowling, Badminton, Video Games, K-Pop, Anime