

Raymond Ma

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WORK EXPERIENCE

Safeway

Produce Clerk

Jun. 2016 – Aug 2016

San Francisco, CA

- Assumed leadership of my team, resulting in an increase in organization and productivity
- Drove sales up by ensuring that shelves were consistently stocked with store products

PERSONAL PROJECTS

Operating System Simulation

Java, JavaFX

- An operating system simulation that mimics writing, reading, and printing files from a disk
- Implemented parallelism so the system can run concurrently with multiple users
- Designed a GUI using JavaFX to display the status of the simulation

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
- Built using a deep reinforcement learning algorithm called Asynchronous Advantage Actor Critic (A3C)

Handwritten Digit Image Recognition

Python

- Recognized handwritten digits using images from the MNIST dataset via the Nearest Neighbor Classifier
- Achieved a recognition accuracy of 97%
- Displayed classification reports to show accuracy, precision, and recall

Pre-diabetes Mobile Quiz Application

Flutter, Dart

- Developed a mobile application that allows user to test for risk of prediabetes
- Incorporates a government official questionnaire and scoring rubric

EDUCATION

University of California, Irvine

Bachelor of Science, Computer Science, Specialization in Intelligent System

Class of 2020

Irvine, CA

- Dean's Honor List; 3.4/4.0 GPA

San Francisco State University

2015-2017

San Francisco, CA

SKILLS & INTERESTS

- **Programming Languages:** C++, Python, Java, JavaScript
- **Tools:** Git, MS Office
- **Interests:** Bowling, K-pop, League of Legends, One Piece