

Raxel Ortiz

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EDUCATION

California State University of Fullerton

Bachelor of Science in Computer Science

Fullerton, CA

Aug. 2020 – Present

Relevant Coursework:

Taken at California State University of Fullerton

- Object-Oriented Programming
- Data Structures
- Databases and File Structures
- Frontend Development
- Backend Development

Ocean View High School

High School Diploma – Summa Cum Laude

Huntington Beach, CA

Aug. 2016 – June 2020

EXPERIENCE

Apprentice Electrician

The Spa Connection

December 2020 – August 2021

Torrance, CA

- Worked all over Orange County providing outdoor Spa and Jacuzzi installation services
- Organize and kept track of material inventory for jobs
- Communicated and explained jobs to customers providing them with needed information over needed material or job procedures

Supplemental Instructor

California State University of Fullerton

August 2023 – Present

Fullerton, CA

- Provide support for undergraduate students that are struggling in Cal State Fullerton's historically difficult Computer Science courses by forming study sessions that are held twice a week and are an hour and fifteen minutes long
- Organize and guide supplemental study sessions based on class lectures by attending class as the model student, allowing me to get a better understanding of how I can create study material that will allow students to cooperate with one another in order to build a better understanding
- Created group activities and coding exercises in order to simplify advanced C++ topics into digestible content to prepare students for upcoming difficult concepts

PROJECTS

AI Facial Age and Sex Identifier | *python*

March 2024 – May 2024

- Simple Web Application that can estimates age and sex given a photo of a person's face
- Built using Flask, Tensorflow, Keras

Pac-Man | *Python*

February 2023 – April 2023

- Usage of object-oriented programming to recreate the classic Pac-man game
- As Pac-man clears the levels the difficulty of the game increases. The Ghost AI gets more aggressive as Pac-man gets closer to finishing the level.
- In this version Pac-man is able to create portals that teleport him from one side of the map to the other
- The player moves with WASD and the game keeps track of the users previous high scores

Rolodex | *C++*

November 2022 – December 2022

- Usage of the hash table data structure to create a digital rolodex
- Uses a hashing function to create hash keys for data
- Has user IO to store and call on data that belongs to a specific key

TECHNICAL SKILLS

Languages: JavaScript, React, Nextjs, HTML, CSS, C++, Python, Go Lang, x86 Assembly Language

Developer Tools: GitHub, Unreal Engine