

Gabriel TK Camacho

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Education

Fall 2019 - Spring 2023, GPA 3.52

Worcester Polytechnic Institute, Worcester MA - *BS in Computer Science*

Relevant Courses: Object Oriented Programming, Software Engineering, Machine Learning, Artificial Intelligence, Webware, Interactive Qualifying Project, Major Qualifying Project

Software Projects

Major Qualifying Project Web app simulation classroom interactions of students and teachers, working with other students to create a front end to render sprites, rooms, and interactive UI.

Bowling Club Scorekeeping A web app providing users the ability to score and save games. Currently being used by some members of WPI's bowling club.

Squash Court Manager Web App MERN stack application that manages a queue for the three squash courts at WPI for Squash Club. The app will facilitate tournaments & track player ELO.

QLearn Gridworld - Project during Introduction to AI. Teaching an agent to navigate a grid world to find optimal solutions from starting location to a terminal state.

Aimtrainer Web App - A demo utilizing MongoDB, Express, & NodeJS to have users practice mouse coordination and show high scores on a leaderboard.

Personal Website - Uniquely styled website portfolio with some helpful information about me.

Interactive Story App - Ongoing with music professor to build a React app with an unlockable story and incorporating audio elements.

ML Stock Prediction - In python, studying models and training on stock data. Using cross-validation to test accuracy.

Catan Board Generator & Analysis - Generates balanced boards & keeps data on initial settlements. The analysis page offers graphs on the success of initial placements. Part of a larger site for testing web development & design.

Work Experience

Summer 2022

Interactive Qualifying Project - Study abroad in Lyon, France. Worked with SINGA Lyon, an organization created to welcome migrants and refugees into France. Specifically, research in development for an alumni network for SINGA's Entrepreneurial Incubation program.

Summer 2020 & 2021

Southampton Meadow Club - Worked in the restaurant & hotel. Gained knowledge in restaurant & hotel management through working with superiors.

Summer 2016

IT Intern at Southampton Town Hall - Worked on ArcGIS, inputting data for street intersections. Solved common technical issues in the office.

Other Experience

Music Technology & Production - Familiar with digital signal processing hardware and software. Constructed guitars & pedals. Studied music theory, technology, & production through college courses & independently. Produced 45+ songs and podcasts.