

Gabriel TK Camacho

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Education

2019-2023

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

Software Projects

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

Login App - A demo utilizing MongoDB, Express, & NodeJS to create users and store data for a particular user.

TODO App - A demo using the PERN stack exploring React and database querying.

Space Themed Visual Novel - Contributed to storyline, programming, & audio of a visual novel using Renpy in Introduction to Game Design.

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

Current Website - Designing a unique website which is also easy to navigate. Plans to update it with better accessibility, new design & development methods in mind.

Godot Game Demo - Demo includes animated sprites & tilemaps. Allows for player and npc movement with collision handling.

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 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, mainly networking and fixing connections to the server.

Other Experience

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

Music/Audio Production - Writing, recording, performing, & producing of 45+ songs & podcasts. Produced tracks for streaming services & game audio.

Sports & Activities - Varsity Baseball (High School), Squash Club, Bowling Club, Counter Strike CSL League, Guitar & Music Production.

Learn more through my website:

