

Gerald Martinez

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Education

Bachelor of Science, Computer Science.

Expected Graduation: May 2025

Florida State University– Tallahassee, FL.

Courses: Data Structures & Algorithms, C++ Programming I, Intro to Unix, Ethics & CS, Computer Organization I

Extracurriculars: Google Developer Student Club

Projects

Developer Portfolio– [Website](#)

Sep 2022 – Current

- Developed a personal developer portfolio using **JavaScript**, **HTML**, **CSS**, and the **Django** framework.
- Implemented admin functionality to update and add to the project page quickly.
- Designed the overall website concept/layout and implemented responsive home & product pages.

Weather App

Sep 2022 – Oct 2022

- Developed a Weather app in **Python** that gathers current weather conditions by city.
- Implemented the **OpenWeathers API** to retrieve weather data such as temperature, pressure, wind speed, etc.
- Used **Tkinter** to create app GUI for users to input city name, and display selected information.
- Implemented logic to inform the user of invalid entries.

Blog Program

Aug 2022 – Current

- Developed blog program in **C++** utilizing **OOP** principles to store and display user input with files.
- Created class and header files to compartmentalize code and improve reusability.
- Implemented logic to automatically update area, post, and user classes.

Snake Game

Jan 2022 – May 2022

- Developed snake game in **C++**
- Applied 2D dynamic arrays to store grid area and position of the snake.
- Implemented code to detect whether the snake had collided with itself, the border, or the user-introduced obstacles.

Dungeons and Dragons

Jan 2022 – May 2022

- Developed a dungeons and dragons game in **C++** that resulted in a final grade of **100%**
- Implemented functionality to files in order to read and write information as a way of executing game operations.

Skills

Programming Skills: *Proficient:* Python, C++ *Familiar:* Swift, Java, HTML/CSS, JavaScript, Pyspark,

Django

Development tools: Visual Studio Code, Clion, Pycharm, Xcode, Git, GitHub

Languages: English, Spanish