

Dean Worrels

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Education

University of South Florida

Bachelor of Science in Computer Science

GPA: 3.59

- *Dean's List 2024*

Tampa, FL

Expected May 2026

Pasco-Hernando State College

Associate's in Arts

- *President's Honor List 2022/2023*

New Port Richey, FL

Aug. 2021 – July 2023

Relevant Coursework: Python Programming, Web Page Design, Intro Networking, Advanced Webpage Design, C++ programming, Program Design, Computer Organization, Data Structures and Algorithms

Technical Skills

Languages: Python, Java, JavaScript, C/C++, HTML/CSS

Frameworks: React, Node.js, Tailwind CSS

Developer Tools: Git, VS Code, PyCharm, Gemini AI, Google Cloud, Firebase, Microsoft Office, VMware, Linux

Projects

AI Trip Planner / *React, Tailwind CSS, Gemini API, Google Maps API, Firebase*

- Developed a full-stack web application that assists users in planning trips by asking for key details such as group type, budget, destination, and duration of stay.
- Integrated Google Maps API and Google Places API to provide users with hotel recommendations and custom itineraries, showing optimal visit times and locations.
- Built user authentication using Firebase, allowing users to create accounts, sign in, log out, view previous trips, and create new trips.
- Utilized Gemini API for intelligent trip recommendations based on user preferences.

Arduino Robot / *C++*

- Developed a robotic system using an Arduino Uno for autonomous navigation with infrared sensors for obstacle detection.
- Led the design and implementation of the software architecture in C++, ensuring efficient integration of sensor data and real-time decision-making.
- Overcame challenges related to sensor calibration and obstacle avoidance through iterative testing and debugging.
- Collaborated with a team of 5 to improve functionality and presentation, resulting in a 95% accuracy rate in path following during testing.

Work Experience

Retail Sales Associate

Nike

May 2021 – Present

Lutz, FL

- Provided exceptional customer service by actively engaging with customers, ensuring their needs were met, and fostering a positive and welcoming shopping experience.
- Collaborated with team members to achieve a 6% increase in overall store sales, demonstrating strong teamwork and communication skills.
- Operate point-of-sale systems efficiently, handling cash transactions and processing customer returns and exchanges.
- Restock merchandise, organize displays and conduct regular inventory audits to maintain optimal stock levels.