

# Dean Worrels

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## Education

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### 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

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**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

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### 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

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### 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.
- Adapted quickly to new technologies, effectively utilizing point-of-sale and inventory management systems to enhance operational efficiency.
- Received positive customer feedback for personalized assistance, leading to improved customer satisfaction.