Jesse Alexander Herrera

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Education

University of South Florida *Judy Genshaft Honors College*   Expected **May 2026**
Bachelor of Science in **Computer Science**   GPA: **3.60**
Clubs: Association of Computing Machinery, Google Developer Student Club, Society of Hispanic Professional Engineers
Relevant Coursework: Programming Concepts, Program Design, Computer Organization, Data Structures, Automata Theory and Formal Languages, Computer Logic, Discrete Structures

Projects

Private Messaging App *Python, JavaScript, React Native, Django*   **July 2024**
Developed a full-stack messaging application with real-time communication and user authentication.
- Designed and implemented a secure user registration and login system using Django and React Native.

Real-Time Face Identification Python, OpenCV   **May 2024**
Created a facial recognition system capable of real-time detection and identification.
- Implemented the LBPH (Local Binary Patterns Histograms) algorithm to ensure high accuracy and efficiency.

Personal Website *HTML, CSS, JavaScript*   **February 2024**
Personal website to show projects and more about myself
- Developed a personal website to showcase my projects, what I am working on, and what I am learning.
- https://jesseherrera.netlify.app/

Snake Game *Python*   **February 2024**
Developed a classic Snake game with modern object-oriented programming principles.
- Applied OOP for clean, maintainable game logic and scaling future features.

Arduino Object Following Robot *Arduino*   **April 2023**
Led programming efforts to develop an autonomous robot capable of following objects.
- Collaborated with a team to build and present the robot's functionality at a technology showcase.
- Utilized Arduino to code motion detection and fine-tuned sensors for real-world responsiveness.

Work Experience

Target   **May 2023 – August 2024**
Front End Team Member   **Naples, FL**
- Provided customer service to guests, assisting them with purchases, returns, and opening lines of credit
- Led new hire training for 5 Target employees.

The Home Depot   **September 2020 – August 2022**
Lot Associate   **Naples, FL**
- Managed the parking lot while aiding customers with their items.
- Trained new hires in customer service skills, time-management skills, and how to safely complete tasks.

Skills

Programming Languages: Python, C++, C, CSS, HTML, JavaScript, Git
Technologies: Django, React Native, OpenCV, Qt Creator, Vs Code, Expo
Languages: English, Spanish