

ADOLFO SANPEDRO GANTE

US Citizen

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Technical Skills

Languages: C | C++ | Java/Kotlin | Python | HTML/CSS | JavaScript | C# | LaTeX | Rust
Developer Tools: Git/GitHub | VSCode | Vim | Visual Studio | Command Line (PS/Linux/Unix) | Unity
Technologies: Raspberry Pi | FDM 3D Printer Ender-3 | Ultimaker Cura
Frameworks: React | JUnit

Education

California State University San Marcos

San Marcos, CA

Bachelors of Science in Computer Science, 3.67 GPA

2023 - Anticipated Graduation June 2025

- **Selected Coursework:** Data Structures, Algorithms, Linear Algebra, Networking, Software Engineering
- **Awards:** Dean's List Fall 2023

Palomar College

San Marcos, CA

Associates of Science in Computer Science

Graduated 2023

- **Selected Coursework:** Linux Fundamentals, Assembly Language, Calculus
- **Awards:** Dean's List Spring 2021, Dean's List Fall 2021

Projects

Math Arcade - Game Development

Spring 2024

- Developed in the **Unity** Game Engine and used **C#** scripts to implement game logic.
- Worked in a team of 4 to develop an algebra based learning video game.
- Implemented Unity's Authentication and Cloud Save Packages to store user data.
- Developed 4 game modes and built in teaching resources.

Banking System - Network Programming

Spring 2024

- Simplified Banking System utilizing **Python** Sockets over **UDP**.
- Server and Client communicate through Python Pickle to send secure messages.
- Clients are able to login, send/receive transactions and view transactions.
- Server is able to authenticate clients, approve/reject transactions and handle multiple clients.

catpictures.xyz - Web Development

Fall 2023

- Took advantage of multiple **APIs** to load responsive content.
- Site is built using the **React** Framework, **HTML/CSS**, **JavaScript/JSX**.
- TheCatAPI fetches random images of cats.
- Advice Slip JSON API fetches random advice slip to caption images.

3x3 Macropad - Embedded Systems

Summer 2023

- **Raspberry Pi Pico Microcontroller** is being used to drive the program.
- Program is written in **Circuit-Python** made for low level hardware.
- Put to use a **FDM 3D printer** to print a 2 piece case for the Raspberry Pi Pico, key switches.
- Raspberry Pi Pico is hand soldered to key switches.

Work Experience

Island's Restaurant

Vista, CA

Line Cook

2022 - Present

- Managed a line of five cooks, delegating tasks, coordinating rest periods and meal breaks.
- Promoted from dishwasher to Line Cook after 3 months.
- Stationed at Fry, Salad, Grill and Acting Prep cook.