

Alejandro Castillo

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EDUCATION

California State University, Northridge

Bachelor of Science in Computer Science

Northridge, CA

Dec. 2025

University of California, Riverside

Computer Science

Riverside, CA

June 2023

EXPERIENCE

Home Depot

Sales/Receiving Associate

San Fernando, CA

April 2021 – Present

- Assist customers with renting and returning tools and equipment and ensuring they have the right tools for their projects
- Processed hazmat and RTV's which helped mitigate negative impact on the P&L
- worked closely with vendors and shipping companies to coordinate deliveries, resolve shipping issues, and ensure product quality and accuracy

Whizara

Robotics Instructor

Sun Valley, CA

March 2024 – April 2024

- Taught students coding and problem-solving skills using a hands-on approach, including the innovative use of LEGO steps to help visualize and break down complex programming concepts

PROJECTS

BreakDown | *Swift, Firebase, Next.js*

- * Developing a iOS application using with Swift utilizing Firebase as the back-end
- * Implementing Google and Apple sign-in for smooth one-tap sign in experience
- * Using Firestore to store user session history and performance metrics
- * Designing a clean, intuitive UI for task management and productivity tracking

Sep. 2024 – Present

Tanks | *C++, SFML Library*

- * Developing a tank game in C++ using the SFML library
- * Creating destructible obstacles and ricocheting bullets for dynamic gameplay
- * Implementing a level system with increasing difficulty and enemy variety
- * Implementing smooth tank movement and projectile physics with real-time collision detection.

Oct 2024 – Present

Pong Clone | *C++, SFML Library*

- * Developed a Pong game in C++ using the SFML library, inspired by the Atari game
- * Optimized game loop and rendering performance for smooth frame rates.
- * Followed object-oriented programming principles for modular and maintainable code
- * Added score tracking and UI elements using SFML's text rendering features

Jan. 2024

PChat | *Python*

- * Developed a real-time chat window in Python using sockets for client-server communication
- * Implemented timestamps for message history.

May 2024

TECHNICAL SKILLS

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

Developer Tools: Git, Firebase, VS Code, Visual Studio, XCode, Vercel

Libraries: SFML