

Nicholas Malamud

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Education:

Bachelor of Science, Computer Science

August 2019 – May 2023

California State University San Marcos

3.9 GPA

Experience:

Research Assistant (Software Developer)

California State University San Marcos

December 2022 – Current

- Developing VR / MR chemistry labs in Unity (C#)
- Programming, Testing, and Bug Fixing
- Collaborating with Team Members on Microsoft Teams

Technical Skills:

Languages: C++, C, Python, SQL, C#, Java, JavaScript, HTML, CSS, PHP, Kotlin, Unix Bash

Software: Unity, GitHub, Android Studio, Visual Studio, Eclipse, Wireshark, Blender

Clubs:

Cybersecurity Club, California State University San Marcos:

- Participated in the National Cyber League Competition (Fall 2022 and Spring 2023)
- Our Team Placed 16th with 93% Completion and 99% Accuracy
- Challenges include Enumeration & Exploitation, Forensics, Log Analysis, Network Traffic Analysis, Open Source Intelligence, Password Cracking, Scanning & Reconnaissance and Web Application Exploitation

Projects:

Fast Food Ordering Application, California State University San Marcos:

- Desktop food ordering application, using Swing GUI Library and an SQL Database (Java, SQL)
- Has a resizable UI to fit every monitor size and scrollable lists to adjust to changing data.
- Built into a JAR executable which can run on both Windows and Mac Operating Systems.

eBook Rental Website, California State University San Marcos:

- Website where users can rent and upload books (HTML, CSS, PHP, SQL)
- Session cookies track users on the server and prepared statements prevent SQL injections.
- Facilitates ecommerce based on user-generated content.

Bot Security Test, California State University San Marcos:

- Bot that can mimic human behavior and play a color clicking game by itself (Python, Unity)
- Uses OpenCV library to detect the color and pyautogui library to control the mouse.
- Developed an algorithm to make natural looking mouse movement.

MySimplePlanner Application, Personal:

- Weekly planner application to save notes and create daily to-do lists (Python)
- Built into an executable that features a resizable UI made with the Tkinter Library
- Automatically opens to the current week and has convenient navigation and save button.