NICHOLAS MALAMUD

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📍 San Diego, California

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EDUCATION

BACHELOR OF SCIENCE, COMPUTER SCIENCE

California State University San Marcos
- Aug 2019 - May 2023
- **3.9 GPA,** Summa Cum Laude
- S-STEM Scholarship

EXPERIENCE

RESEARCH ASSISTANT, CSU San Marcos (Dec 2022 - Current)
- Developing VR/MR chemistry labs in Unity (C#)
- Programming, Testing, and Bug Fixing
- Collaborating with Team Members on Microsoft Teams
- Agile Scrum Environment with Weekly Meetings
- 3D Modeling

TECHNICAL SKILLS

LANGUAGES
- C++/C
- Python
- SQL
- C#
- Javascript
- Java
- HTML
- CSS
- PHP
- Kotlin
- MIPS Assembly
- Unix Bash

SOFTWARE
- Unity
- Blender
- GitHub
- Android Studio
- Microsoft Office
- Visual Studio
- Eclipse
- Wireshark

CLUBS

CYBERSECURITY CLUB, CSU SAN MARCOS
- National Cyber League Competition (Fall 2022 and Spring 2023):
  - Team Placed 16th with 93% Completion and 99% Accuracy
  - Challenges: Enumeration & Exploitation, Forensics, Log Analysis, Network Traffic Analysis, Open Source Intelligence, Password Cracking, Scanning & Reconnaissance and Web Application Exploitation

PROJECTS

2022 **FAST FOOD ORDERING APPLICATION** (GROUP PROJECT), CSU SAN MARCOS
- Desktop food ordering application, using Swing GUI Library and an SQL Database (Java, SQL)
- Has resizable UI to fit every monitor size and scrollable lists to adjust to changing data
- https://nicholasmalamud.github.io/FastFoodOrderingApplication.html

2022 **EBOOK RENTAL WEBSITE** (GROUP PROJECT), CSU SAN MARCOS
- Website that allows users to rent and upload books (HTML, CSS, PHP, SQL)
- Uses session cookies to track users on the server and prepared statements to prevent against SQL injections
- https://github.com/NicholasMalamud/EBook-Rental-Website

2022 **BOT SECURITY TEST** (GROUP PROJECT), CSU 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
- https://nicholasmalamud.github.io/BotSecurityTest.html

2021 **MYSIMPLEPLANNER APPLICATION,** PERSONAL
- Weekly planner application to save notes and create daily to-do lists (Python)
- Automatically opens to the current week and has convenient navigation and save buttons
- https://nicholasmalamud.github.io/MySimplePlanner.html