

# NICHOLAS MALAMUD



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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   | • Javascript | • PHP           |
| • Python  | • Java       | • Kotlin        |
| • SQL     | • HTML       | • MIPS Assembly |
| • C#      | • CSS        | • Unix Bash     |

### SOFTWARE

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

## 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 make sure it's accessible for all computers
- <https://github.com/NicholasMalamud/Fast-Food-Ordering-Application>

### 2022 EBOOK RENTAL WEBSITE (GROUP PROJECT), CSU SAN MARCOS

- Website that allows users to rent and upload books (HTML, CSS, PHP, SQL)
- Uses session keys 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 move the mouse and click it
- <https://github.com/NicholasMalamud/Bot-Security-Test>

### 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://github.com/NicholasMalamud/MySimplePlanner-Application>