

# Nicholas Malamud

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## EDUCATION

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**Bachelor of Science in Computer Science (3.9 GPA)**

Aug. 2019 – May 2023

*California State University, San Marcos*

*San Marcos, CA*

## EXPERIENCE

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**Print Specialist**

Dec. 2025 – Present

*Staples Print and Marketing Services*

*San Diego, CA*

- Operate and manage print production jobs using a ticketing system.
- Troubleshoot and resolve printer, copier, and workstation issues to minimize downtime.
- Provide technical assistance to customers with document formatting, file compatibility, and print setup.
- Handle Amazon returns and intake systems, ensuring accurate data entry and processing.
- Deliver customer support in a fast-paced environment while meeting quality and turnaround standards.

**Software Developer**

Dec. 2022 – Oct. 2025

*HOVR Labs LLC*

*San Marcos, CA*

- Developing VR chemistry labs within Unity (C#) to provide students with an immersive, hands-on learning experience beyond the traditional classroom.
- Launched through NSF-funded research at CSUSM and transitioned into an independent startup.
- Using Plastic SCM for version control and Jira for task management and bug tracking.
- Documenting the code with Natural Docs, which generates a searchable, web-based documentation portal.
- Creating and modifying 3D models in Blender to produce high-quality custom assets for the application.
- Integrating Motive motion capture software into the codebase to track physical lab tools using a webcam.
- Performing routine QA testing to ensure error-free functionality and a seamless user experience.
- Working in an Agile Scrum environment, collaborating via Microsoft Teams, performing pair programming in Visual Studio, and attending weekly meetings.

## PROJECTS

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**AI Number Recognizer** | *Python*

- Recognizes handwritten digits using a PyTorch based machine learning neural network.
- Preprocesses images with PIL and NumPy for grayscaling, pixelating, and centering digits.
- Optimized for GPU computation to improve speed and performance.

**Fast Food Ordering Application** | *Java, SQL*

- Desktop food ordering application built with Swing GUI Library and an SQL database.
- 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.

**Bot Security Test** | *Python, Unity*

- Automated testing bot for video games, built to play a color clicking game by itself.
- Uses OpenCV library for image recognition and pyautogui library to control the mouse.
- Developed an algorithm to make natural looking mouse movement.

**eBook Rental Website** | *HTML, CSS, PHP, SQL*

- Website where users can rent and upload eBooks.
- Session cookies track users on the server and prepared statements prevent SQL injections.
- Facilitates ecommerce based on user-generated content.

## TECHNICAL SKILLS

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

**Software:** Visual Studio, Eclipse, Unity, Plastic SCM, Wireshark, Android Studio, Hashcat, Blender, AWS

**Libraries:** OpenCV, Swing, pandas, PyTorch, PIL, NumPy, matplotlib, Tkinter