Nicholas Lasagna

Berkeley, CA
nicholaslasagna@gmail.com | (510) 827-7009
linkedin.com/in/nicholas-lasagna-798118277 | github.com/Maze77-AH | github.com/NemesisSSBU

Education

Texas Tech University — Bachelor of Science in Computer Science — Expected May 2027
Minor: Mathematics — GPA: 3.56 / 4.00

Experience

Independent Game Development Studio — Co-Founder & Developer — 2021 – 2023
Berkeley, CA

- Co-founded and led development of a multi-year software project, owning core systems from initial design through production deployment and iteration
- Designed and implemented engine-level systems including state management, input handling, and gameplay logic in Unreal Engine 4/5, C++, C#, and Java.
- Collaborated with a distributed team using Git-based workflows, code reviews, and iterative development practices.
- Balanced technical correctness with product goals while maintaining clean, well-documented, and maintainable code-bases.

Projects

RealFiction — Distributed Game Server Platform

- Designed, deployed, and operated a multi-server Java-based backend hosted on Oracle Cloud (Ubuntu).
- Built and maintained custom services and plugins, handling deployment, monitoring, performance tuning, and live production issues.
- Managed networking, permissions, and backend infrastructure for a live user-facing system.

RealChat — OCR & AI-Assisted Automation Tool

- Developed a Python-based desktop automation tool integrating OCR and AI-assisted workflows.
- Implemented screen capture, text recognition, decision logic, and system-level interaction with a focus on correctness and reliability.
- Emphasized testing, robustness, and safe interaction with operating system resources.

NemesisSSBU — Rust-Based Runtime Tooling Project

- Developed performance-sensitive runtime tooling in Rust for a widely used, non-commercial game modification project with a large player community.
- Focused on memory safety, runtime correctness, and low-level systems interaction.

Technical Skills

Languages: Python, Java, C++, C, C#, Rust, JavaScript, x64 Assembly
Systems & Tools: Linux (Ubuntu), Git, Docker, Oracle Cloud, Blender
Engines & Frameworks: Unreal Engine 4/5, Unity
Web & Other: HTML, CSS

Leadership

Member, National Society of Leadership and Success