

Daniel Mamuza

daniel.mamuza@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EDUCATION

University of Nevada, Las Vegas

August 2023 - May 2027

Bachelor of Science in Engineering: Computer Science

GPA: 3.8

Minor in Mathematics

Sierra Vista High School

August 2019 - May 2023

Advanced Honors Diploma

GPA: UW 3.9 | W 5.0

Animation CTE Program, National Honor Society

TECHNICAL SKILLS

Languages: C++, C#, HTML/CSS, JavaScript, TypeScript, Python

Technologies: Blender, Docker, Git, Next.js 14, React.js 18, Unity

PROJECTS

Monk | TypeScript, Next.js 14, React 18, PostgreSQL | [Live Demo](#)

June 2024

- Developed a Kanban board and note app for task management for individuals and organizations using Clerk's user authentication.
- Implemented pro user features such as unlimited boards and notes with Stripe subscription management system.
- Managed database schemas to ensure scalability and data integrity for user CRUD operations with Prisma ORM and PostgreSQL via Supabase.
- Employed dynamic routing, API routes, middleware, and server actions while developing the Monk app, enhancing data handling and backend interactions.

JeraldBot | Python, Discord.py, OpenAI | [GitHub](#)

May 2024

- Created a customized Discord chatbot specializing in personalized plant-related questions using Discord.py API configuration.
- Connected bot with OpenAI API and Giphy's endpoint for more customized and functional responses.

Lord of the Rings Esolang | TypeScript, Deno | [GitHub](#)

February 2024

- Developed an esoteric interpreted language using a tokenizer, parser, and lexer.
- Evaluated expressions and statements for strings, objects, booleans, and number literals.
- Utilized a transcribe for ".lotr" files and used a REPL mode when no file was given.

The Lonely Wizard | C#, Unity | [GitHub](#)

December 2023

- Designed game logic such as enemy walk paths, leveling system, and player controller.
- Utilized multi-file development with more than 20 C# scripts.
- Developed a 2D top-down rogue-like shooter.

EXPERIENCE

Calculus Tutor | Sierra Vista High School

August 2022 - May 2023

- Taught Calculus classwork and concepts to a classroom of 40 students.
- Mentored students one-on-one in preparation for the AP exam in which students received 4s and 5s.
- Managed grading and creating more than 200 tests and assignments throughout the school year in collaboration with a team of fellow graders under the supervision of the teacher.

Retail Associate | Skechers

December 2022 - May 2023

- Communicated with 30 customers daily to ensure excellent customer service.
- Addressed customer concerns and prompted swift solutions.