

Daniel Mamuza

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EDUCATION

University of Nevada, Las Vegas <i>Bachelor of Science in Computer Science, Minor in Mathematics, Dean's Honor List</i>	Aug. 2023 – May 2027
	GPA: 3.8 / 4.0

EXPERIENCE

Software Engineer Intern Intellimind	Nov. 2024 – Present
<ul style="list-style-type: none">Engineered an internal chat messaging feature for clients using WebSockets, DynamoDB, AWS Lambda, and API Gateway, enabling low-latency and scaling to support 1,000+ concurrent users.Developed front-end chat context and hooks with React and Jotai to handle WebSocket and REST API calls, achieving 300ms response times, reducing render latency, and improving real-time updates.Collaborated with a team to automate credit report generation, utilizing Python to integrate leveraging Amazon Bedrock for AI-driven HTML creation, converted to PDFs using WeasyPrint, and stored in S3.Played a key role in the system architecture of the AI-driven workflow by designing branching logic in DynamoDB for dynamic user interactions, and developed a responsive React and Material UI interface for seamless user experience.	
Computer Science Teaching Assistant University of Nevada, Las Vegas	Aug. 2024 – Present
<ul style="list-style-type: none">Tutored 400+ students through office hours, offering in-depth code debugging, constructive assignment feedback, and breakdowns of programming principles, leading to improved student understanding and academic success.	

PROJECTS

Fate <i>TypeScript, Next.js, Redis, PostgreSQL</i>	March 2025 – Present
<ul style="list-style-type: none">Building a social hub app using Next.js to empower diverse user communities with group interactions and tailored media recommendations.Implementing a rule-based recommendation engine deployed on AWS Lambda, leveraging collaborative filtering techniques and user preference data to generate personalized group suggestions.Streamlined waitlist management and optimized user authentication by integrating Redis, reducing data retrieval times by 50%, and BetterAuth for secure verification.	
Monk <i>TypeScript, Next.js, Tailwind CSS, PostgreSQL</i>	June 2024 – Aug. 2024
<ul style="list-style-type: none">Developed a full-stack Kanban board and note-taking SaaS app for task management with Next.js, integrating user authentication and role-based access control with Clerk to enhance security and support multi-user functionality.Managed database schemas to ensure scalability and data integrity for user CRUD operations with Prisma ORM and PostgreSQL via Supabase, enabling 50+ interactions per second with minimal downtime.Enhanced data handling and backend interactions by 40%, through the implementation of dynamic routing, API routes, middleware, and server actions.	
Jerald Bot <i>Python, Discord.py, OpenAI API, Giphy API</i>	May 2024
<ul style="list-style-type: none">Built a customized Discord chatbot using Discord.py that specializes in personalized plant-related inquiries, gaining experience in chatbot development and API integration.Integrated the OpenAI API for context-aware, personalized responses and the Giphy API for GIFs, enhancing user experience and engagement.	

LEADERSHIP

Webmaster AI & Data Science Club & ACM UNLV	July 2024 – Present
<ul style="list-style-type: none">Developed and maintained websites for both AI & Data Science Club and ACM UNLV using React, Tailwind CSS, Vite, and Next.js, improving accessibility and engagement with club resources.Overhauled ACM UNLV's website, achieving a 25% improvement in Lighthouse performance, accessibility, and SEO scores by optimizing assets and implementing responsive design.	

SKILLS

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

Frameworks & Libraries: Astro, Material UI, Next.js, React, Tailwind CSS, Zod

Tools & Technologies: API Gateway, Docker, DynamoDB, EC2, Git, Lambda, S3, Vite