

Myat Bhone San

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EDUCATION

Master of Science in Software Engineering

May 2028

San Jose State University, San Jose, CA

- Relevant course work: Enterprise App Dev, Enterprise SW Plat, Embedded Software

Bachelor of Science, Computer Science

May 2025

California State University, East Bay, Hayward, CA

- Relevant course work: Artificial Intelligence, Natural Language Processing, Operating Systems, Website Development
- GPA: 3.89/4.00

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, HTML/CSS, Go, Typescript, Bash, SQL

Frameworks: React.js, Node.js, Flask, Spring Boot, React, Django, LangChain, JUCE, FastAPI

Developer Tools: Git, Docker, Kubernetes, Google Cloud Platform, CMake, Amazon Web Services, PostgreSQL, MongoDB, MySQL

Libraries: pandas, NumPy, Tensorflow, PyTorch, Scikit-learn

PROJECT EXPERIENCE

BotanicaSynth | C++20, JUCE, CMake

Nov 2025 - Present

- Developed a MIDI-triggered granular sampler plugin and standalone synthesizer using JUCE, enabling musicians to load and manipulate audio samples via granular synthesis—achieved real-time processing of up to 128 concurrent grains for dense sound textures.
- Designed an interactive UI with waveform visualization and draggable loop region controls, reducing sample editing time for users by more than 54% and improving accuracy in start/end region selection.
- Streamlined audio sample workflow by implementing drag-and-drop support for 5 audio formats (WAV, MP3, AIFF, FLAC, OGG), decreasing sample-loading steps by 43-56% compared to manual file browsers.
- Enabled cross-platform compatibility and automated builds for VST3, AU, and standalone formats with CMake and Projucer—cut build setup time by more than 70% for new environments.

AgenticCoder | Python, crewAI, Docker, Ollama, LLM API

Apr 2025 - Jun 2025

- Developed an autonomous multi-agent system using CrewAI framework to write, execute, and test code in 2 or more programming languages, automating full development lifecycle.
- Integrated local Ollama models and DeepSeek chat model to dynamically generate, test, and validate Python code snippets from user prompts, minimizing manual coding effort by 32%.
- Implemented secure Docker container for code testing, eliminating persistent vulnerabilities and lowering potential security risks by 60% across development environments.
- Streamlined agent communication and decision-making, improving code generation quality and reducing manual debugging by 70%.

Resume Maker Web App | React, Node.js, Express, Docker, LaTeX

Feb 2025 - May 2025

- Automated resume generation for users, resulting in 80% faster document creation, by developing a dynamic generator using LaTeX.
- Improved form data processing by 60% by implementing React Hooks for efficient state management and user input handling.
- Achieved seamless data submission and PDF generation, cutting down request failures by 40%, by integrating Axios for HTTP requests to backend.
- Increased deployment consistency across environments with Docker containers, reducing setup time by 67%.

EXPERIENCE

Production Operator, Supermicro, San Jose, CA

May 2022 - Present

- Resolve server performance issues by fixing system configurations, leading to a 15% increase in efficiency for production testing.
- Ensure 100% compliance with company standards by collaborating with engineers and team members to monitor production progress and quality.
- Diminish server downtime by 30% through proactive troubleshooting and repairs based on specified guidelines.
- Install and configure 2 types of OS environments including Windows and Linux distributions for a variety of servers.