DUNG DONG

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EDUCATION

San Jose State University   **August 2024 - May 2026**
Master's, Software Engineering
- Relevant Coursework: Enterprise Distributed Systems, Software Systems Engineering, Enterprise Software Platforms.

San Jose State University   **August 2021 - May 2024**
Bachelor's, Computer Science   *GPA: 3.7*

PROFESSIONAL EXPERIENCE

Amazon Web Services   **Santa Clara, CA, USA**
SDE Intern   *May 2025 - August 2025*
- Added trust-mode to the AWS language server to improve developer flow by auto-approving shell commands with security guardrails resulting in 70% internal adoption across IDE plugins within 3 weeks.
- Implemented keyboard shortcuts for agent execution controls in the Amazon Q IDE plugins to keep developers hands-on-keyboard and cut pointer use, resulting in 60% of agent actions triggered via shortcuts.
- Enhanced automation scripts for local build generation, reducing manual setup effort by ~40% and accelerating testing cycles.
- Inherited mynah-ui's event-driven, native DOM architecture to ship a reusable dropdown form component supporting rich menu layouts and responsive styling (beyond the native <select>); with Playwright E2E coverage.

Rockliffe Systems   **Remote**
Software Engineer Intern   *June 2024 - August 2024*
- Modernized stack with Astro (SSG) + Vue islands, Tailwind, TypeScript, reducing shipped JS and simplifying maintenance.
- Improved median LCP by ~40% (Lighthouse) through Astro SSG, asset pruning, and CDN caching.
- Replaced hardcoded pages with REST APIs backed by an SQL database and introduced basic caching to stabilize response times.
- Migrated core business logic from C# to TypeScript to unify the stack and simplify maintenance, validating with parity tests

SJSU Software and Computer Engineering Society   **San Jose, CA, USA**
Software Engineer Intern   *May 2023 - August 2023*
- Built a music-streaming Discord bot (Node.js, Discord.js, ytdl-core / play-dl) with play/pause/skip/search and per-server in-memory queues to minimize latency and eliminate unnecessary infrastructure overhead
- Instrumented runtime metrics with Prometheus and created Grafana dashboards to monitor performance and basic health.
- Containerized & deployed via Docker and Docker Compose over SSH, enabling straightforward updates and rollback.

PROJECTS & OUTSIDE EXPERIENCE

HedgeFi – Winner, One Trillion Agents Hackathon (DeFi) & 2nd Place, Aurora AI Agentic Chains   *March 2025 - March 2025*
Typescript, Next.js, Tailwind CSS, ElizaOS, LLM / NLP, RAG, wagmi
- Built AI agents backed by ElizaOS with a RAG architecture over Aurora documentation to automate the token lifecycle (Twitter-triggered launches, LLM-generated coin creation, periodic upkeep, prediction-market betting).
- Built a chatbot UI in Next.js + wagmi, let users invoke agent workflows through natural language in a wallet-connected interface.

Multifunctional Discord Bot   **San Jose, CA, USA**
Python, discord.py, yt_dlp, OpenAI API, Langchain, Docker, AWS ECS   *February 2024 - May 2024*
- Built a multi-functional Discord bot serving 1k+ users, integrating OpenAI GPT-4 for natural language queries, yt_dlp for music streaming, and Tesseract OCR + RAG (OpenAI embeddings) for interactive Q&A on images and PDFs.
- Containerize the application binaries using Docker Compose and deploy them to AWS ECS automatically by creating a pipeline in GitHub workflows, reducing deployment time by 60%, reduce human mistakes.

SKILLS

Skills: Python, TypeScript, JavaScript, Java, Node.js, Express.js, React.js, Next.js, Vue.js, Astro.js, MongoDB, MySQL, Git, Docker, HTML/CSS, Tailwind CSS, AWS, Google Cloud Platform