DUNG DONG

+1 (669) 282-9116 | dongtandung2001@gmail.com | San Jose, CA, USA | linkedin.com/in/danieldong2001/ |

github.com/dongtandung2001 | dungdong.dev/

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*
- Relevant Coursework: Data Structures and Algorithms, Mobile Application Development, Computer Networking, Cyber and Information Security, Database Management, Object-Oriented Design, Software Engineer.

PROFESSIONAL EXPERIENCE

Rockliffe Systems   **Remote**
Software Engineer Intern   *June 2024 - August 2024*
- Modernized technology stack for Mailsite website to enable faster site response, better user experience, reduction of maintenance, and future growth.
- Leveraged Astro.js for static site generation, resulting in 40% faster load times.
- Designed and implemented RESTful APIs to handle services and database operations.
- Architected and developed a new frontend using Vue.js, Tailwind and TypeScript, improving user experience.
- Migrated complex business logic from C# to TypeScript, maintaining functionality while improving code maintainability.

SJSU Software and Computer Engineering Society   **San Jose, CA, USA**
Software Engineer Intern   *May 2023 - August 2023*
- Created a music streaming discord bot for a school discord server with Discord.js and the ytdl-core Node.js library.
- Implemented commands to control the bot which included song search, pausing and managing a queue of songs.
- Integrated useful metrics to monitor the bot's performance with Prometheus, built monitoring dashboards with Grafana.
- Enabled searching for songs by using the play-dl Node.js library, returned the top 5 results for the user to select from.
- Oversaw and executed updates to the discord bot using Docker, Docker Compose via SSH

PROJECTS & OUTSIDE EXPERIENCE

Multifunctional Discord Bot   **San Jose, CA, USA**
Python, discord.py, yt_dlp, Langchain, Docker, AWS ECS   *February 2024 - May 2024*
- Added music streaming capabilities, enabling users to play, queue, and manage tracks from multiple sources and integrated OpenAI API for natural language conversations within Discord servers.
- Implemented image chat support by converting image to text using Tesseract OCR.
- Utilized Langchain framework to increase context awareness by connecting to outside/public database/source code and providing prompt instructions for a higher quality response.
- Containerize the application binaries using Docker Compose and deploy them to AWS ECS automatically by creating a pipeline in GitHub workflows to reduce human mistakes.

SQL4U   **San Jose, CA, USA**
ReactJS, Express.js, AWS S3, AWS Amplify, MongoDB   *November 2022 - December 2022*
- Led a team of 6 Computer Science students to build an online learning platform for database management with SQL.
- Built a RESTful API with Express.js to support CRUD operations for a MongoDB database hosted on MongoDB Atlas.
- Developed reusable React.js components for modular and maintainable UI elements, enhancing application scalability and efficiency.
- Stored minified JavaScript and HTML files for the website's content on S3, deployed the website with AWS Amplify.
- Deployed the Express.js REST API to production with AWS Elastic Beanstalk.

SKILLS

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