

DUNG DONG

+16692829116 | dongtandung2001@gmail.com | San Jose, CA, USA | [linkedin.com/in/danieldong2001/](https://www.linkedin.com/in/danieldong2001/) | github.com/dongtandung2001

EDUCATION

San Jose State University
Master's, Software Engineering

August 2024 - May 2026

San Jose State University
Bachelor's, Computer Science

August 2021 - May 2024
GPA: 3.7

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

PROFESSIONAL EXPERIENCE

SJSU Software and Computer Engineering Society
Software Engineer Intern

San Jose, CA, USA
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.
- Added support for 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.
- Oversaw and executed updates to the discord bot using Docker, Docker Compose through SSH

PROJECTS & OUTSIDE EXPERIENCE

Multifunctional Discord Bot

San Jose, CA, USA
2024 - 2024

Python, discord.py, yt_dlp, Langchain, Docker, AWS ECS

- 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
2022 - 2022

ReactJS, Express.js, AWS S3, AWS Amplify, MongoDB

- Led a team of 6 Computer Science students practicing Agile methodology to build an online learning platform focused on SQL database management.
- Built a RESTful API with Express.js to support CRUD operations for a MongoDB database hosted on MongoDB Atlas.
- Developed reusable React.js components to optimize code maintainability and enhance 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.

Vidly

San Jose, CA, USA
2022 - 2022

React.js, Node, Express.js, MongoDB

- Created a full stack web application to fully support a video rental service including user authentication using React.js and Express.js
- Utilized the bcrypt Node.js library to store user's login info, hashing passwords with salts to ensure data security.
- Stored user authentication info with JSON Web Tokens (JWT) on the browser.
- Ensured the Express.js API received a valid JWT in the Authorization header with the jsonwebtoken library

SKILLS

Skills: Python, JavaScript, Node.js, Express.js, React.js, HTML/CSS, MongoDB, SQL, Git, Docker, AWS, Linux/Unix, FastAPI, Agile, SCRUM

Languages: Vietnamese, English