


Bao Nguyen

Software Developer

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 [LinkedIn](#)

 [Github](#)

Skills

Python

C++

Java/Kotlin

Lua

JavaScript/Typescript

HTML

React

CSS

SQL

Education

GPA: 3.932

Undergraduate

CSU Long Beach

Long Beach, CA

2020 – 2023

Dean's List / President's List

Undergraduate

El Camino College

Torrance, California

2018 – 2020

Dean's List

Relevant Coursework

Advanced C++

Object Oriented Programming

Data Structures

Algorithms

Database Fundamentals

Mobile Application Development

Artificial Intelligence

Machine Learning

About Me

New graduate with a bachelor's degree in Computer Science.

Have experience working with an Agile team during my senior project.

Motivated to learn from experienced team members and contribute to professional projects.

Projects

WorkOutLoud (Web Application / Senior Project)

Full-stack Developer

September 2022 – May 2023

- Created flexible UI components that support both desktop and mobile screens, e.g. navigation bar, sidebar
- Designed and created light/dark themes
- Created login form with Google Sign-In integrated
- Authentication/Authorization using Jason Web Token
- Worked with PostgreSQL database using Prisma
- Created a middleware to protect routes
- Created services to transfer data between the front and back end through HTTP requests
- Implemented text-to-speech and speech recognition features using Web Speech API

Tech stack: JavaScript, TypeScript, Node.js, React.js, Next.js, Tailwind CSS, PostgreSQL, Prisma

Aegisub Automation Scripts (Personal Projects)

Lua Developer

2020 - current

- Used math, file I/O, regular expressions, OS functions, loops, strings, functions, arrays, tables, etc.
- Used Aegisub APIs to create several scripts with and without GUI that accelerate the subtitle-making process by automating complex tasks
- Built a library of reusable functions for my scripts
- Script In N Out: Provides a GUI for users to generate customized text effects with options of time, directions, effect tags, character-by-character, and word-by-word
- Script Curved Text: Generates curved texts along Bezier curves drawn by users
- Script Aegisub2Staxrip: Opens encoding app with information of current subtitle file imported
- Script Save and Import Lines: Allows users to save one or many subtitle lines and import them later to another file without opening the old files
- Script Vector Color: Allows users to generate gradient color tags using GUI instead of writing the code themselves