

Charles Nguyen

charles.nguyen1701@gmail.com • [Portfolio](#) • [LinkedIn](#) • [GitHub](#)

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, HTML, CSS, Lua

Front/Back-end: React, Handlebars, Apollo Client, Node.js, Express, GraphQL, AWS Lambda, AWS API Gateway, AWS S3

Database: PostgreSQL, MongoDB, AWS DynamoDB

EDUCATION

UC Berkeley

Certificate Full-Stack Developer

Berkeley, CA

Mar 2024 – Sep 2024

San Jose State University

B.S. Applied Mathematics

San Jose, CA

Sep 2019 – May 2022

De Anza College

A.S. Computer Science

Cupertino, CA

Sep 2017 – June 2019

EXPERIENCE

Chosn | Backend Developer Intern | Phoenix, AZ

May 2023 – Aug 2023

- Collaborated with a team of three engineers to build robust backend services for a mental health application using AWS technologies and Node.js, enhancing the reliability and scalability of the application.
- Implemented a reminder service that helps users manage and complete daily tasks, resulting in increased user engagement and improved mental health support.
- Refactored and optimized existing code to boost readability and database performance, leading to more efficient operations and reduced maintenance time.

PROJECTS

GameHub | Personal Project

Dec 2024

- Created a web app that fetches data from the RAWG API, enabling users to search and discover games.
- Dynamically displays, sorts, and filters retrieved game data to provide a personalized service.
- Added a Dark Mode toggle that changes the color scheme of the site for a modern browsing experience.

TeaLicious | Certificate Project | UC Berkeley

Sep 2024

- Developed an ecommerce website as a group of five and architected the front-end and backend technologies using React, Apollo, GraphQL, MongoDB, AWS S3, and Stripe.
- Designed the user experience of the website for seamless navigation and a personalized shopping experience.
- Integrated Apollo Client for front-end and backend communication and AWS S3 for image storage.
- Implemented Stripe for processing secure transactions, the shopping cart and features like guest-to-member cart synchronization and real-time stock updates on successful transactions.

WebWeavers | Certificate Project | UC Berkeley

Jul 2024

- Led a group of four to develop a web app that enables seamless interaction between recruiters and jobseekers.
- Created the application using Handlebars for dynamic content generation and to enhance the user experience.
- Built and maintained backend API routes using Node.js and Express.js to manage user accounts and job postings.
- Implemented CRUD operations for job posts and user profiles and added endpoints for job applications to ensure robust error handling and data validation.
- Designed and implemented PostgreSQL database model and middleware to manage and process data efficiently.