

CHUKWUDI IKEM

Software Engineer

Sacramento, CA

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TECHNICAL SKILLS

Front End | JavaScript (ES5+), React, Redux, HTML5, CSS3, Semantic UI

Back End | Python, Node.js, PostgreSQL, Redis, Sequelize, Express.js, FastAPI, Traefik, RESTful API, Authentication

Developer Tools | Git, GitHub, Npm, Webpack, Babel, Foreman, TDD, JWT, Mocha, Chai

PROJECTS

Wordle Backend | Developer | Feb 2022 – Jun 2022 | https://github.com/super-rogatory/wordle_backend

Wordle Backend is a load-balanced microservice implementation of a backend for the wordle guessing game.

- Built with Python, employed FastAPI for the RESTful backend server implementation.
- Persistent storage and tracking services implemented with SQLite and Redis. Load balancing (reverse proxy) handled with Traefik in round robin style.

Percent 45 | Solo Developer | Mar 2022 – May 2022 | <https://github.com/super-rogatory/thepercentfortyfive>

Percent 45 is an image classifying project that uses machine learning to guess the nature of any image.

- Utilized Python for building the neural network with TensorFlow and Keras.
- Hosted project locally with FastAPI, user interface constructed with HTML and CSS.

Chatterly | Sole Developer | Aug 2021 – Jan 2022 | <https://wechatterly.com>

Chatterly is a web socket based chat application that allows users to join rooms with friends and talk online together.

- Built with React alongside Semantic UI and CSS for the front end and Redux for state management.
- Developed project on top of Express and Socket.io socket based server. Utilized Node.js, and PostgreSQL for the back end.

DinoGuys | Developer | Aug 2021 - Sep 2021 | <https://dinoguys.org/>

DinoGuys is a 2D platformer battle royale style game where friends can compete to see who can make it to the finish line first!

- DinoGuys uses JavaScript's Phaser3 framework to power the game.
- Furnished with Socket.io, Node.js, and Express to handle the server and multiplayer capabilities.

EDUCATION

University of Southern California, Los Angeles, CA

August 2023 – Present

Master of Science in Computer Science

- Incoming student pursuing a master's degree in computer science to deepen technical knowledge, gain specialized skills, and expand career opportunities in the constantly evolving field of technology.

California State University, Fullerton, Fullerton, CA

August 2017 – May 2022

Bachelor of Science in Computer Science | Minor in Mathematics | Cum Laude | GPA: 3.63

- Undergraduate degree program that provided a comprehensive education in computer science, including programming, algorithms, data structures, software engineering, and more, all in preparation for careers in the field or further studies in related areas.

Fullstack Academy, New York, NY

May 2021 – September 2021

Certificate in Software Engineering

- Highly rated JavaScript-based 17-week long curriculum introducing the entire web development process, from front-end design and user experience to back-end database management and deployment.
- This includes frameworks, libraries, and tools for building web applications and connecting them to databases and APIs.