

JAY CHIN

+1(205) 370-9145 ◊ jchin2250@gmail.com ◊ <https://jaychin.dev> ◊ <https://github.com/jyc02>

EDUCATION

University of Alabama at Birmingham

Expected December 2024

Bachelor of Science, Computer Science

Birmingham, AL

Relevant Coursework: Programming Paradigms, Automata/Formal Language Theory, Advanced Algorithms and Applications, Software Engineering

Member of Association for Computing Machinery at UAB

EXPERIENCE

Software Developer

February 2024 - March 2024

Dark Tower

Birmingham, AL

- Designed and developed a Python-based tool for data extraction and processing from a website
- Implemented Docker and PostgreSQL for seamless deployment and robust, efficient data storage, ensuring high performance and scalability

Teaching Assistant

January 2023 - December 2023

University of Alabama at Birmingham

Birmingham, AL

- Led and mentored a diverse group of over 130 students, including both undergraduates and master's level students in C programming and Web Development
- Significantly improved students' progress in mastering web development by giving detailed feedback on assignments, resulting in up to a 20% increase in assignment scores

PROJECTS

CGI Recruit Tracker

March 2024

Docker, React, FastAPI, OpenAI, MongoDB

- Led the front-end web development for a runner-up project at UA Hackathon, enhancing CGI's recruiting efforts by enabling mobile users to easily input information into a MongoDB database
- Collaborated with the team to implement an authentication portal, redirecting students and CGI staff to their respective pages
- Worked with the team to integrate OpenAI API to generate insightful feedback by parsing and analyzing submitted student resumes, showcasing advanced AI integration skills

Spaceify Web App

February 2024

React, AWS-EC2, Docker, NGINX, SciKitLearn, Computer Vision, Multithreading, JavaScript, Python

- Built a React web app with a team in 24 hours for space theme Auburn Hackathon, allowing users to dynamically populate 3D renderings of songs from a Spotify playlist
- Led the front-end development of UI and 3D rendering of the solar system by utilizing various React libraries
- Hosted the app on AWS EC2, leveraging song metadata to determine planetary attributes such as color, texture, size, and speed, and utilized SciKit-Learn for computer vision to map album art palettes to planet color gradients

LikeCode Website

April 2022

HTML, CSS, JS, Flask, SQLAlchemy, Heroku

- Collaborated with the team to create a website focused on preparing students for interview
- Spearheaded the development of a robust online IDE using the Ace Code editor and various Python libraries
- Improved the structure of the front page and member's page by enhancing contrast ratios to meet WCAG guidelines and proofreading summaries

SKILLS

Programming Languages: Python, Java, C, JavaScript, GDScript, HTML, CSS, C#

Tools/Frameworks: Git, Github, JavaGUI, JavaFX, Godot Engine, Heroku, Flask, PostgreSQL, SQLAlchemy, Google Workspace, MS Office, IntelliJ, VS Code, .NET

Operating Systems: Windows, Linux, MacOS