David Huang

281-748-6335 | 7davidhuang@gmail.com | linkedin.com/in/davidhuang-dh/ | github.com/dhuango

EDUCATION

University of Wisconsin - Madison — Madison, WI
Bachelor of Science in Computer Science and Psychology — *September 2022 – May 2026*
- GPA: 3.3/4.0
- Relevant Coursework: Data Structures, Intro to Algorithms, Operating Systems (OS), Building User Interfaces

EXPERIENCE

Software Engineer — August 2024 – Present
MJV — *Remote*
- Developed a full-stack media content retrieval and processing platform using **Python**, **Flask**, and **Next.js**, implementing features for content management, bookmarking, and user history tracking
- Integrated **Firebase** as a scalable, cloud-based NoSQL database to securely manage user data and track media retrieval history, supporting over **1000** concurrent users without performance degradation
- Implemented REST API endpoints, reducing response times by **70%** and facilitating **5000+** successful media retrievals within the first month

Software Engineer Intern — July 2024 – September 2024
Goods Unite Us — *Remote*
- Integrated Google AdMob advertisements into the iOS application with **Swift** and incorporated view elements into the UI, establishing a new revenue stream boosting in-app monetization through strategic ad placements
- Executed a overhaul of the user interface and navigation structure using **UIKit**, optimizing the overall user workflow and increasing engagement by **100%**
- Actively participated in code reviews, receiving valuable feedback and collaborating with other developers to enhance code quality, ensure best practices, and optimize software performance

Software Engineer Intern — June 2023 – August 2023
Fayble — *Berkeley, CA*
- Spearheaded the development and implementation of **Python** scripts to automate player and leaderboard management, increasing operation speeds by **150%**
- Enhanced API request handling time by restructuring data management and parsing methods, reducing processing overhead by **30%**
- Engineered unit tests and data validation processes with 70% code coverage, ensuring proper and reliable functionality

PROJECTS

Mellow | *Python, Django, PostgreSQL, Tailwind* — June 2024 - July 2024
- Architected and developed a full-stack music streaming platform using Django, PostgreSQL, and Tailwind CSS, implementing secure user authentication, playlist management, and music playback features
- Designed and optimized PostgreSQL database schema for efficient storage and retrieval of user and playlist data
- Integrated the Spotify API to dynamically fetch and display music data, allowing for curated ethnic music recommendations and real-time playlist updates

LEADERSHIP & EXTRACURRICULARS

Event Coordinator — September 2023 - Present
Chinese American Student Association — *Madison, WI*
- Led a team of 10 officers in the planning and execution of 6+ cultural events each semester, consistently attracting and engaging 150+ attendees
- Established partnerships with campus departments and local businesses, securing venues, catering, and sponsorships

TECHNICAL SKILLS

Languages: Java, Python, Swift, C, HTML/CSS, JavaScript, TypeScript, SQL (Postgres)
Libraries & Frameworks: Django, Flask, JUnit, UIKit, React.js, Next.js, Tailwind
Developer Tools: Git, Github, Google Cloud Platform, VSCode, Xcode