

Experienced in Python with Flask and JavaScript based programming with a background in audio. Possess strong skills in teamwork and creativity that help any company drive innovation and achieve successful product launches. Fluent in Mandarin, English, French.

TECHNICAL SKILLS

Javascript, React, Express, C#, Python, Flask, SQL, HTML, CSS, Git

Projects

Employee Handler — *React/Express employee scheduler* | Technologies used – Javascript, ReactJS, ExpressJS

- Designed and implemented a custom database schema using SQLite, enabling efficient storage and retrieval of data
- Created a role-based React.js frontend for streamlined employer and employee login
- Implemented full CRUD capabilities for managing employees, shifts, and scheduling, streamlining workforce management

Wangusbot (+Client) — *Discord bot with web client interface* | Technologies used – Javascript, ReactJS, Python, Flask, SQL

- Developed a Discord bot from scratch using DiscordJS, hosted on Google Cloud VM Linux OS
- Full-Stack web client implementing Discord OAuth2 Authentication for user login and bot invitation
- Full CRUD and REST API on internal API with SQLAlchemy and Flask
- Optimized UI and UX through extensive wireframing to maximize user interactivity

GoGame — *Game product view and review site* | Technologies used – Javascript, ReactJS, Python, Flask, SQL

- Collaborated in a two-person team to develop from wireframing to minimum viable product within a one-week timeframe
- Implemented full CRUD functionality for game reviews and developed a REST API for internal data management
- Integrated a massive external API with extensive filtering parameters to retrieve game data
- Improved visual design and resolved conflicts using the AntDesign CSS React UI library

PC Builder — *Text-based PC Part Picker style Python app* | Technologies used – Python, Flask, SQL

- Implemented a customized database system using SQLAlchemy and Flask to store and manage user customizations
- Implemented role-based access control to safeguard user data and ensure appropriate access levels
- Achieved a high level of application reliability by systematically testing and refining the user interface and functionality.

Are ya Winning, Son? — *Javascript Dad Joke Generator* | Technologies used – Javascript

- Accesses external API to generate random jokes, persisting user input on jokes utilizing internal API
- Added a fun 'Joke' button that plays a personally sound designed audio clip

EXPERIENCE

Game Jam Composer and Sound Designer - *Hobby Activity*

2018 - Present

- **Planning:** Engaged in multiple game jams, showcasing proficiency in creative brainstorming, meticulous project planning, and efficient scope management – vital skills for game development.
- **Pressure:** Demonstrated ability to excel under tight deadlines, consistently delivering high-quality audio assets for games.
- **Teamwork:** Collaborated closely with interdisciplinary teams, including game developers, artists, and designers, to ensure seamless project execution, fostering effective communication and teamwork.

Full Sail University | Winter Park, FL - *Dub Stage Intern*

Summer 2018

- **Audio Production and Editing:** Proficiently recorded and edited sound effects (SFX), dialogue, Foley, and self-composed music for short films, gaining valuable experience in audio production and post-production.
- **Sound Design:** Demonstrated creativity and proficiency in sound design, contributing to the enhancement of audio elements in film projects.
- **Technical Skills:** Acquired hands-on experience with industry-standard audio equipment and software, further strengthening skills in sound engineering, mixing, and mastering.

EDUCATION

Flatiron School Aug 2023 | **Online** - *Certification: Software Engineering*

Full Sail University July 2018 | **Winter Park, FL** - *Bachelor of Science: Music Production*