

WHITLEY SPENCER

Greenville, SC – (252) 259-3274 – Whitley.Spencer@gmail.com – gitlab.com/whitleyspencer

Technical Skills

Programming Languages – Python 3, JavaScript ES6+, SQL, HTML5, CSS

Front-End – React, React Hooks, Redux Toolkit, DOM manipulation, WebSockets

Back-End – Django 4, FastAPI, PostgreSQL, RabbitMQ

System Design – Microservices, Domain-driven design, Message passing, Event sourcing

Application Development Experience

Score – gitlab.com/whitleyspencer/score – FastAPI, WebSockets, React, Redux 2023

Multiplayer Game Application

- Developed a robust and scalable application using **FastAPI** backend framework coupled with a **PostgreSQL** database to store account data, social connections, and game statistics, as well as manage user authentication, integration with third party APIs, and real-time communication utilizing **WebSocket** technology for efficient data exchange and enhanced user experience
- Designed and implemented a **React** frontend to provide a dynamic user interface for single or multiplayer games, which currently include Blackjack with an optional statistics calculation feature, Go-Fish card game, and a Jeopardy trivia game

Team Conference – gitlab.com/whitleyspencer/team-conference – Django, React 2022

Conference Management Application

- Designed a conference management service that integrates conferences, locations, attendees, and presentations based on principles of **Domain-driven design**
- Engineered a **REST API** system to interact with the **SQLite database**
- Integrated data from third-party APIs to provide users with location-specific weather details and images using an anti-corruption layer to extract cleaned data

Professional Experience

Hack Reactor – Software Engineering Immersive Resident 2023

- Resolve individual help desk tickets by providing guidance, technical support, and project management to over 80 students in a one-on-one or small-group virtual classroom
- Conduct code reviews to help students achieve industry standard development techniques, diagnose bugs, and improve system performance and reliability
- Develop and deploy mission-critical software updates to a live production environment

Poinsett Psychiatric Innovations – Patient Care Coordinator – Greenville, SC 2019 - 2022

- Managed outpatient care services for over 200 clients
- Developed systems to increase efficiency in scheduling, correspondence, and record management, resulting in client population growth of over 30%
- Analyzed neuropsychological evaluations and laboratory testing in order to provide the treating physician with a general synopsis, points of interest, and treatment considerations

Education

Hack Reactor | Advanced Software Engineering Immersive Certificate 2022-2023

University of South Carolina | Coursework in Biological Sciences 2017-2019

University of New Hampshire | Coursework in Biological Sciences 2015-2017