

JUSTIN HSIE

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EXPERIENCE

Software Developer (Contract)

Aug 2022 - Sept 2022

Humming, Tacoma, WA

- Built new homepage in collaboration with lead designer in React, Javascript, and HTML+CSS
- Implemented web/mobile responsive designs across 9 device screen sizes and breakpoints
- Refactored legacy code in a codebase with 200+ components in Javascript to improve maintainability
- Constructed 10+ React components with emphasis on reusability

EDUCATION

University of Washington, Bothell, WA

Sept 2022 - expected graduation: June 2023

Graduate Certificate in Software Design & Development, Computer Science

Courses: Data Structures & Algorithms, Systems Programming, Object-Oriented Programming

Columbia University, New York, NY

May 2020

Master of Science (MS), Biostatistics

University of Washington, Seattle, WA

June 2017

Bachelor of Science (BS), Biology

SKILLS

Proficient – Java, Javascript, React, HTML+CSS, Object-Oriented Design, Git/GitHub, SQL

Knowledgeable - PostgreSQL, MongoDB, Sass, Nodejs, Express, Redux, Python

Basic – C++, Docker, Bootstrap, PrimeReact, UIKit, Next.js, Command Line, Heroku

Courses – Computer Science I & II, Data Structures & Algorithms, Web Dev Bootcamp, React with Redux

PROJECTS

Movie List: Full-stack CRUD app from scratch | React, FastAPI, PostgreSQL, Docker, Heroku June 2022

- Constructed an app to save and sort your favorite movies with your personal rating
- Integrated third-party API calls to The Movie Database API to retrieve movie posters and titles
- Constructed RESTful backend routes in FastAPI with robust user authentication and password hashing
- Connected to PostgreSQL database with SQLAlchemy orm to persist user and movie data
- Configured and deployed to Heroku in Docker container

Eats Nearby: Full-stack CRUD app from scratch | React, Redux, NodeJS, Express, PostgreSQL Mar 2021

- Built an app to save your favorite places and retrieve them in order of proximity to current location
- Managed global state and async data fetching with Redux, implementing third-party API calls to Google Maps Autocomplete, Places, & Distance Matrix APIs
- Created RESTful backend routes in Express with efficient SQL queries to persist user data in a PostgreSQL database

WORK EXPERIENCE

Biostatistician (Remote)

June 2021 - Oct 2022

PPD, Wilmington, NC

- Program/validate statistical macros and tables in SAS
- Refactor legacy statistical code to improve cleanliness, readability, and reusability
- Produce statistical analysis plans derived from the study protocol and case report form