

JUSTIN HSIE

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EDUCATION

COLUMBIA UNIVERSITY, New York, NY

May 2020

Master of Science (MS), Biostatistics

UNIVERSITY OF WASHINGTON, Seattle, WA

June 2017

Bachelor of Science (BS), Biology

BELLEVUE COLLEGE, Bellevue, WA

Courses: Intro to Computer Science, Data Structures & Algorithms

PROJECTS

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

- Built 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

- Designed an app that saves your favorite places and retrieves them in order of proximity to your 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

The Mind: Original app adaptation of multiplayer card game | React, NodeJS, Express, Socket.io Mar 2021

- Adapted a multiplayer card game into an app, utilizing Socket.io to re-render the app in real-time for all clients playing the game through bidirectional and event-based communication

SKILLS

Proficient - Javascript, React, HTML+CSS, FastAPI, Git/GitHub, PostgreSQL, Java, OOP

Knowledgeable - Python, Heroku, Sass, Express, NodeJS, Redux, MongoDB

Basic - Docker, Command Line

CS courses - Berkeley CS 61B: Data Structures & Algorithms, Harvard CS50: Intro to Computer Science,

Udemy: Web Dev Bootcamp, React with Redux

WORK EXPERIENCE

PPD, Wilmington, NC

June 2021 – present

Associate Biostatistician (Remote)

- Program statistical outputs and tables, provide proper documentation
- Refactor legacy statistical code to improve cleanliness, readability, and reusability

OTHER ACTIVITIES

- Music: Wrote & produced original songs and covers published on SoundCloud