**JUSTIN HSIE**

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**EDUCATION**

**COLUMBIA UNIVERSITY MAILMAN SCHOOL OF PUBLIC HEALTH**, New York, NY

Master of Science (MS), Biostatistics May 2020

**UNIVERSITY OF WASHINGTON**, Seattle, WA

Bachelor of Science (BS), Biology June 2017

**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
* Employed object-oriented design to construct game logic and turn-based gameplay

**SKILLS**

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

**Knowledgeable** - Python, Heroku, 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
* Develop table and listing specification algorithms utilizing SDTM guidelines

**OTHER ACTIVTIES**

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