**JUSTIN HSIE**

[justinhsie1001@gmail.com](mailto:justinhsie1001@gmail.com) **|**  (425) 638-9529 **|**  Bellevue, WA

<https://justinhsie.github.io>| [www.linkedin.com/in/justinhsie](http://www.linkedin.com/in/justinhsie) **|** [www.github.com/JustinHsie](https://github.com/JustinHsie)

**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 ACTIVTIES**

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