RHEA RAO

📞 +917-602-2327   ✉ qianqir@andrew.cmu.edu   🔗 https://rhearao.github.io/   in linkedin.com/in/rhea-rao-82a08553/

PROJECTS

Foody: Yelp meets Tinder

- A **progressive web app** that allows nearby people with similar food taste to connect socially
- Utilized **Mapbox API** and **FourSquare API** for interactive maps, **socket.io** for instant message/matches transmission, and **Redis** for temp message storage
- Improve database performance by 70% by switching out a geographical based matching algorithm, and implement data storage and indexing using **Postgres**; improved matching time by 30%+ by pioritizing matchees who have already selected the matcher.
- **Tools: JavaScript, React, Redux, Postgres, OAuth, WebSocket, SQL, Deployment, Nodejs, Express, Redis, RMDB, algo, caffeine**

Juke: Online Music Sharing Platform

- An online music playing platform that has a main page displaying albums/artists, and a play/stop bar that controls the current music piece
- Working on the login/logout functionality, and turning the website into an PWA that allows people to add music to the same playlist
- **Tools: JavaScript, React, Redux, OAuth, MongoDB, Python, Django**

GameOfShoppers: E-commerce Shopping Site

- A Heroku deployed Game of Thrones themed e-commerce shopping site that sells GoT merchandises
- Created a dynamically updated shopping cart with unique shopping cart ID as the key for in RMDB
- Added advance security functionality for registered users to see their order history, and for admin users to edit product information
- **Tools: JavaScript, React, Redux, OAuth, Node.js**

PROFESSIONAL EXPERIENCE

HelloAva (2019 Forbes 30 under 30 Start-up)
Growth Analyst/ Software Engineering Intern

📅 Sep 2018 – Jan 2019   New York, NY

- Collaborated with Software Engineers and Product Designers to push out new features
- Came up with different metric to measure product / feature success and marketing effectiveness
- Self-studied JavaScript and React/Redux framework; helped the Software Engineers with simple tasks like adding buttons to the page

J.P. Morgan
Investment Banking Analyst, Public Finance Team

📅 Jan 2018 – Jul 2018   Chicago, IL

- Public Finance Team helps public sector clients, including state and local governments and non-profit organizations, to issue debt that funds infrastructure and other government related projects
- Monitor outstanding debt for refinancing opportunities; deliver presentations to senior client executives and ratings agencies
- Responsible for putting together moving pieces of 50+ Request for Proposal documents

EDUCATION

Carnegie Mellon University
MSc. Information Systems Management

📅 Sep 2019-Present   GPA: 3.60

New York University, Stern School of Business
BSc. Finance, Statistics

📅 Sep 2013 - May 2017   GPA: 3.55

- Top 1.5% among all international contestants in Euclid Mathematics Contest

Fullstack Academy
12-week Coding Bootcamp

📅 Feb 2019 - May 2019

- A deepdive into JavaScript, Node.js, ReactJS, ReduxJS, Node.js, RESTful API, Website deployment and Computer Science Fundamentals

SKILLS

- Computer Languages
  Java JavaScript HTML CSS Python
- Front-end
  React Redux JQuery AJAX Bootstrap
- Back-end
  Node.js Express.js Django
- Database
  SQL PostgreSQL MongoDB Redis Hadoop
  MapReduce
- Infrastructure
  AWS Docker Azure
- Tools
  Progressive Web App OAuth Git Heroku
  Sequelize ORM Socket.io
- Other Tools
  Excel Capital IQ Bloomberg Microsoft Office
  Minitab STATA LaTex Excel Word PowerPoint
- Languages
  Mandarin Cantonese German

COURSEWORKS

Programming
Java Object Oriented Programming, Data Structure & Algorithm, Database Management, Web Application Development, NoSQL Database Management

Statistics
Regression and Multivariate Data Analysis, Forecast Time Series Data, Decision Making Under Uncertainty, Applied Stochastic Processes For Financial Models