RHEA RAO

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PROJECTS

Foody: Yelp meets Tinder

- A progressive web app that allows nearby people with similar food taste to connect socially
- Responsible for the two most important map components, utilized Mapbox API and FourSquare API for interactive maps, socket.io for instant message/matches transmission, and Redis for temp message storage
- Coordinated with a team of 4 to push out the beta of the app within 1.5 month of time
- 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.

UnSub.me: Email Subscription Management Chrome Extension

- Utilized GMail API to develop algorithms that detect the subscription keyword and return a list of email accounts that the user is currently subscribed to
- Designed a toggle/tinder-styled UI (User Interface) for quick email unsubscription
- Worked in a team of 2; the extension is currently awaiting Google's API approval

DSGrade: Auto-grader of Java Data Structure Assignments

- Designed to produce the JSON output needed by Gradescope; JUnit test specs based
- Applicable to data structure assignments with LinkedList, ArrayList, Sets, ArraySets, etc

PROFESSIONAL EXPERIENCE

HelloAva.co (2019 Forbes 30 Under 30 Start-up)

Growth Analyst 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
- Analyzed digital marketing effectiveness utilizing tools such as Python based Jupiter Notebook; led digital marketing outreach effort

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

📅 2019-Present

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

📅 2013-2017   GPA: 3.55

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

SKILLS

- Computer Languages

  Java   JavaScript   Html   CSS   SQL
- Packages

  React   Redux   Node.js   Express   Socket.io
- Tools

  Progressive Web App   OAuth   Git   Heroku   Sequelize ORM
- Other Tools

  Capital IQ   Bloomberg   Microsoft Office   Minitab   STATA   LaTex
- Languages

  Mandarin   Cantonese   German

COURSEWORKS

Programming

Java Object Oriented Programming, Data Structure & Algorithm, Python, Database Management, Data Structure for Application Engineer, Introduction to Computer Programming

Statistics

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

Business & Management

Advanced Corporate Finance, Equity Valuation, Principals of Financial Accounting, Financial Statement Analysis, Hedge Fund Strategies, Operation Management, Debt Instruments and Markets