Rajvi Mehta

rajvi.m7@gmail.com | 908-342-7405

EDUCATION

Rutgers University - New Brunswick, NJ
September 2015 - May 2019
B.S. Computer Science Minor: Mathematics

Completed/Current (*) Relevant Courses: Systems*, AI*, Algorithms, OOP, Databases, Probability, Principals of Programming Languages, Computer Architecture, Data Structures (ranked in top 2%), Data Literacy, Intro to CS, Discrete Math, Diff Eqs, Multivariable Calc, MatLab, Digital Logic, Statistics

WORK EXPERIENCE

Microsoft - Software Engineering Intern, Redmond, WA
May - Aug 2018
- Full-stack developer in Dynamics 365 for Distributed Order Management, a platform that creates efficient shipping plans between warehouses, stores, and customers for large retail companies
- Developed mathematical models using **Gurobi**, an optimization solver, and collaborated with MS Research to construct models
- Implemented high priority features in **C#** and **X++** from end-to-end, deployed into public software release, and demoed finished project

InfoSeeking Lab - NSF Software Engineer & Data Analyst, New Brunswick, NJ
May - Aug 2017
- Collaborated with United Nations Data Analytics Team to prevent armed conflicts
  - Designed model in **R** to forecast the risk likelihood percentage of violence for Kenya's 2017 Presidential election
- Built Chrome extension in **Laravel** and **MySQL** to auto create user studies and store tracked browser data
- Developed Part of Speech Detector API in Python for iris.infoseeking.org to categorize words in documents

Visualization Lab - Software Engineer & Data Analyst, New Brunswick, NJ
May - Aug 2016
- Implemented volcanic explosion simulator in **MATLAB** that can automate explosion simulations with the ability to scale and set multiple parameters
- Selected to present the analyzed cause of volcano shapes from MATLAB results at the Geophysical Conference in SF

LEADERSHIP

CS Teaching Assistant - Rutgers University
Sept 2016 - present
- Independently lead Data Structures recitations as well as create material and lead study groups in **Java** for 3 hours weekly
- Independently led Intro to CS recitations and study groups in **Java** for 3 hours weekly
- Tutored students for engineering classes including MATLAB, statics, and physics

Vice President, RuMAD - Rutgers University
Jan 2017 - Jan 2018
- Planned workshops, distributed contracted app development projects to students, and organized Mobile/IoT Hackathon

SKILLS

Developer Languages:
Java, Python, R, MATLAB, MySQL, HTML

Software / Tools: Git, Firebase, Tableau

RECOGNIZED PROJECTS

Best Twilio Hack and Best RBC Social Hack Award - HackRU XIII, Rutgers University   Oct 2017
- Built web app Text Me(me) that generates message from user's voice and texts the meme (image with text) to recipient
- Used PyAudio, OpenCV, Twilio's Text Messaging API, and Flask

Placed in PennApps Hackathon - UPenn   Sept 2017
- Placed as Top 30 out of 158 for creating mobile and web app 911 Safety Net, which automatically sends required information to police in order to reduce call time in emergency situations
- Used JavaScript, Google Maps API, Firebase, and Cordova

Best Rutgers Hack Award - HackRU, Rutgers University   April 2017
- Designed iOS mobile application Swipr to connect students with extra meal swipes to those who need food
- Used Swift, Firebase, Vonage SMS Messaging API, and Rutger's Dining Hall APIs

Ranked 5th out of 141 on Kaggle Prediction Puzzle - Data Literacy, Rutgers University   April 2017
- Implemented a combination of data science techniques including decision trees and statistical tests in R from testing data to create prediction of students' final grades

See more projects on my GitHub!

ACHIEVEMENTS/PROGRAMS

Square Code Camp - Square Inc., Atlanta, Georgia HQ   Aug 2017
- Selected out of 500+ applicants to attend an immersion program and learn about the company's technology
- Designed Chrome extension that allows people to donate more easily when online shopping

Credit Suisse Top Technology Program - NYC HQ   April - Aug 2017
- Chosen from competitive pool of applicants to learn about tech in the financial services industry
- Built a messaging web application in a team for the Code Suisse Challenge at the NYC office

LINKS

GitHub: github.com/rajvi
Website: rajvi.github.io
LinkedIn: linkedin.com/in/rajvim
Devpost: devpost.com/rajvi