

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 companies
- Used integer programming and used **Gurobi**, an optimization solver, to implement mathematical models
- Implemented high priority features in **C#** and **X++** that got shipped in the software release at the end of internship

InfoSeeking Lab - NSF Software Engineer & Data Analyst,

New Brunswick, NJ

May - Aug 2017

- Collaborated with United Nations Data Analytics Team to prevent armed conflicts
 - Created a model in **R** to forecast the risk likelihood percentage of violence for Kenya's 2017 Presidential election
- Implemented 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

- Built [volcanic explosion simulator](#) that automated simulations in **MATLAB** with the ability to scale and set multiple parameters
- Selected to present the analyzed cause of volcano shapes from the 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 design 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, distribute contracted app development projects to students, and organize the 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

- Created iOS mobile application Swipr to connect students with extra meal swipes to those who need food
- Used Swift, Firebase, Vonage SMS Messaging API, and Rutgers Dining Hall APIs

Ranked 5th out of 141 on Kaggle Prediction Puzzle - Data

Literacy, Rutgers University

April 2017

- Used 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

Headquarters

Aug 2017

- Selected out of 500+ applicants to attend an immersion program and learn about the company's technology
- Created [Chrome extension](#) that allows people to donate more easily when online shopping

Credit Suisse Top Technology Program - Data Literacy,

Rutgers University

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

Last Updated: 8-20-18

See most updated resume at rajvi.github.io/online_resume