

RAJVI MEHTA

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EDUCATION

Rutgers University - New Brunswick, NJ Sept 2015 - May 2019
Major: Computer Science (BSc.)
Minor: Mathematics

Completed / Current(*) Relevant Courses

Systems Programming*, Artificial Intelligence*, Algorithms, Software Methodology, Intro to CS (Java), Data Structures (ranked in top 2% of class), Computer Architecture, Data Literacy, Info & Data Management, Prin. of Programming Lang., Discrete Math, Probability, Differential Equations, Multivariable Calculus, MatLab, Digital Logic Design, AP Statistics

WORK EXPERIENCE

Microsoft - Applications Team, Software Engineer Intern
- Redmond, WA (May - Aug. 2018)

- Develops on the Business Applications Group
- Implements algorithms for efficient shipping that consists of path finding algorithms and linear optimization

United Nations - Data Analytics Team, Software Developer & Data Analyst, (May - Aug. 2017)

- Implemented an interactive map using **R** to help prevent armed conflicts and created prototype in **Tableau**
- Created a predictive model in **R** to forecast the risk likelihood percentage of violence for Kenya's 2017 Presidential elections

Software Engineer, InfoSeeking Lab - Rutgers University
(Jan. 2015 - Aug. 2017)

- Created a Chrome extension for the NSF program that makes user studies and stores tracked browser data using **Laravel** and **MySQL**
- Developed a Part of Speech Detector API in **Python** for iris.infoseeking.org to categorize words in a document by their part of speech

Software Engineer, Visualization Lab - Rutgers University
(May - Dec 2016)

- Built a [volcanic explosion simulator](#) that automated simulations with multiple parameters in **MatLab**
- Selected to present the analyzed cause of volcano shapes from the MatLab results at the Geophysical Conference in SF

LEADERSHIP

Teaching Assistant for Comp Sci - Rutgers University
(Sept 2016 - May 2018)

- Independently lead 3 recitations for the **Data Structures** and **Intro to Comp Sci** courses in **Java** each for 1.5 hours weekly
- Tutored students in engineering classes including MatLab, Statics, and Physics classes
- Mentor 6 students pursuing computer science

Vice President, RuMAD (Rutgers University Mobile App Development club) (Jan. 2017 - Jan. 2018)

- Plan workshops, distribute contracted app development projects to students, and organize the Mobile/IoT Hackathon
- Redesign and maintain the rumad.us website using **HTML5** and **CSS3**

Event Coordinator, Veg Society (Sept. 2015 - present)

- Plan and lead community outreach activities for animal rights
- Managed a vegetarian/vegan challenge for 30+ students looking for a structured plan and created a community for the students

SKILLS

Developer Languages:
Java, Python, R, MatLab,
MySQL, HTML5

Software/Tools:
GitHub, Eclipse, Tableau,
Firebase, AutoCad

RECOGNIZED PROJECTS

Best Twilio Hack and Best RBC Social Hack, HackRU XIII - Rutgers University (October 2017)

- Created a web application [Text Me\(me\)](#) that can generate memes from the user's voice and then send the meme as a text message to a recipient
- Used PyAudio, OpenCV, Twilio's text messaging API, and Flask

Placed at PennApps Hackathon - University of Pennsylvania (Sept 2017)

- Placed **Top 30 out of 158** for creating a mobile and web platform, [911 Safety Net](#), that reduces the amount of time police take to talk to callers
- Used Javascript, Google Maps API, Firebase, and Cordova

Best Rutgers Hack Award, HackRU Spring 2017 - Rutgers University (April 2017)

- Created an iOS mobile application Swipr in Swift that connects students with extra meal swipes to those who need swipes
- Used Google's Firebase, Vonage's sms messaging API, and Rutgers Dining Hall APIs

Ranked 5th out of 141 on Kaggle for Prediction Puzzle in Data Literacy Course (April 2017)

- Used data science techniques in R like decision trees and statistical tests to predict students' final grades from a data set

ACHIEVEMENTS / PROGRAMS

Anita Borg Institute Grace Hopper Scholar (October 2017)

- Microsoft Scholarship recipient to attend the Grace Hopper Celebration

Square College Code Camp, Square Inc. - Square Office in Atlanta, Georgia (August 2017)

- Selected out of 500+ applicants to attend an immersion program at Square's Atlanta office
- Created a [chome extension](#) that allows people to donate when online shopping more easily, and learned about Square's technology

Credit Suisse Top Women's Technology Mentor Program (April - August 2017)

- Chosen from a 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

// **GitHub:** github.com/rajvi

// **Kaggle:** kaggle.com/rajvimehta

// **Devpost:** devpost.com/rajvi

// **LinkedIn:** linkedin.com/in/rajvi-mehta-77269a11a

// **Website:** rajvi.github.io

Last Updated: 6-20-18

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