

# Rangaraj Tirumala

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New Brunswick, NJ

## Work Experience:

### Software Engineering Intern – Eightfold AI

May 2018 – Aug 2018

- Re-designed flow to optimize university recruiting for customers by bulk-importing resumes, CSV's and resume books to our recruitment platform
  - Reduced time to receive and review resumes by over 10x
- Built a resume book parser in python which splits large (~800 page) resume books into individual resumes
  - Rolled out to 3 companies within the first 30 days of product release, replacing all of their former University Recruiting tech
- Designed Gmail integration to automatically import resumes from users' emails using the Google API
  - Automated the process of finding and importing resumes in recruiters and hiring managers inboxes

### Research Assistant / Author – Rutgers University Center for Cognitive Science (RUCCS)

Jan 2018 – Pres

- Presented as second author at the xprag conference in Tübingen, Germany
- Creating automated web scraper with Selenium and AWS EC2 to collect data on spoken English
  - Collected over 1 Million sentences to parse, tag, and study frequencies
- Created a multithreaded data pipeline to handle pruning and tagging of collected linguistic corpora
- Analyzed results with Pandas to help further our understanding of common wh- utterances in English
- Project available: <https://github.com/rangat/whAnalysis>

### Software Engineering Intern – Sparta Systems

May – Aug 2016

- Refactored 15-year-old Java codebase to adjust for front-end redesign
  - Updated Tomcat server to serve new UI built in LESS
- Designed and implemented new front-end interface to support modern browsers beyond Internet Explorer
- Developed dev-ops tools using Salesforce and Jira to optimize incoming issues from complaints

## Leadership and Awards:

### President – Rutgers Cognitive Science Club

Sep 2017 – Pres

- Organized bi-yearly panel on careers in Cognitive Science with leading experts in industry and academia
  - Helped match students to psychology and linguistics research labs
- Started and teach bi-weekly Python learning group of 20 students with special guest speaker from Google Deep Brain
- Increased club attendance by over 500%
  - Developed new meeting style, increased inter-club collaborations to boost member retention and engagement
- Won "Spirit of Rutgers" Award from the Chancellor of Rutgers University

### Best Hardware – Marauders Map

hackNY Fall 2018

- Used microcontrollers to spatially locate all Bluetooth devices in a room
- Wrote trilateration algorithm in python to mathematically calculate physical location of devices based on a three-node distributed system

### Best solution to bridge on and offline experiences – GLTLove

F8 Hackathon 2018

- Worked with Facebook community leader at Facebook's conference to address her unique challenges
- Built IOS app to connect travelers with one another, gamified the experience of meeting new people
- Worked on apple ARKit to develop in app face recognition and matching function

### Facebook API Award – SXSetFinder

SXSW Hackathon 2018

- Developed FB Messenger based platform to help SXSW attendees find artists they will like based on the attendees Spotify preferences
- Designed front end UI and built python flask back end for application

## Skills:

### Computer Languages

**Advanced:** Python, Java, HTML, **Other:** JavaScript, SQL, Scala

### Frameworks & Technologies

**Advanced:** Flask, NLTK, AWS, Selenium, CSS, LESS, Bootstrap, **Other:** Tensorflow, Docker, XML, MongoDB, Twilio, Android

## Education:

### Rutgers University New Brunswick

Class of 2019

B.A. in Cognitive Science and Philosophy (specialization in Computer Science)  
Minor in Entrepreneurship