Work Experience:

732-997-8242

rangaraj.t@gmail.com

www.rangarajt.com

New Brunswick, NJ

**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 10×*
* *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*](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*