

# Rangaraj Tirumala

732-997-8242  
rangaraj.t@gmail.com  
www.rangarajt.com  
New Brunswick, NJ

## Education:

### **Rutgers University New Brunswick**

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

Class of 2019

## Work Experience:

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

Jan 2018 – Pres

- *Creating automated web scraper with Selenium and AWS EC2 to collect data on spoken English*
- *Analyze large Corpus of language to collect information on the use of Wh- (who, what) words*
- *Used Python, NLTK and other NLP techniques to identify frequency of common utterances*

### **President – Cognitive Science Club**

Sep 2017 – Pres

- *Organized panel on careers in Cognitive Science with leading experts in industry and academia*
- *Started and teach bi-weekly Python learning group with special guest speaker from Google Deep Brain*
- *Overhauled social media presence and branding with new logo and weekly newsletter*

### **Software Engineering Intern – Sparta Systems**

May – Aug 2016

- *Refactored 15-year-old Java codebase to adjust for front-end redesign*
- *Updated CSS codebase into LESS*
- *Re-designed and implemented front end of product with new UX using LESS and HTML*
- *Developed dev-ops tools using Salesforce and Jira to optimize incoming issues from complaints*

### **Software Engineering Intern – Nibbly/Worldview**

Jun – Aug 2015

- *Designed and implemented front end for Android Application*
- *Worked on dynamic programming problems to increase speed of tinder like card generation*
- *Learned about the SDLC and actively participated in a remote scrum team and lead daily stand up*

## Skills:

### **Computer Languages / Frameworks / Technologies**

*Java, Python, Scala, HTML, CSS, Less, Android, XML, MongoDB, Twillio, AWS, NLTK, Flask*

### **Computer Software / Design Tools**

*Intellij, Sketch, Adobe Suite, Microsoft Office, Solidworks*

## Accolades and Projects:

### **Facebook API Award – SXSetFinder**

SXSW Hackathon 2018

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

### **Virtualoso**

Hack RU Fall 2017

- *Built virtual reality MIDI keyboard with Oculus Rift to play music and modulate sounds*
- *Allowed users to interact with world using their own hands with the help of the leap motion*
- *Helped us learn Unity and was developed on the Oculus Rift*

### **Google API Award – Aifred**

Hack RU Fall 2015

- *Wanted to wake up to the smell of fresh coffee in the morning!*
- *Used Arduino with relay to hack “Mr. Coffee” machine*
- *Developed companion android app to ring alarm and trigger coffee maker*