

# Rangaraj Tirumala

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New Brunswick, NJ

## Education:

### **Rutgers University New Brunswick**

*B.A. in Cognitive Science and Philosophy (focus on Computer Science)*

*Minor in Entrepreneurship*

Class of 2019

## Work Experience:

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

*Created program with NLTK in Python to find instances of wh-words in large corpus of language*

*Work closely with leading experimental linguist Dr. Kristen Syrett to design tool*

Jan – Pres

### **Dance Instructor/Graphic Designer – Nrithyanjali School of Dance**

*Performing artist and instructor for young aspiring Bharatanatyam students*

*Design advertising/marketing material for company productions and performances*

*Created and Implemented curriculum to teach new and experienced students from ages 5 - 17*

Aug 2012 – Pres

### **Software Engineering Internship – Sparta Systems**

*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*

*Gained experience as a scrum team member and leading daily standup*

May – Aug 2016

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

*Developed and designed Android App for tech startup*

*Actively participated in a remote scrum team*

Jun – Aug 2015

### **Photographer/Videographer – Nrithyanjali Institute of Dance**

*Recorded and Edited Bharatanatyam Arangetram (dance recital) videos*

Jul – Aug 2015

## Accolades and Projects:

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

*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 back end for application*

SXSW Hackathon 2018

### **Virtualoso**

*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*

Hack RU Fall 2017

### **Loch Ness Platform**

*Internet of Things (IoT) platform*

*Designed & 3D printed bolt lock with IOT control*

PennApps Spring 2017

### **Google API Award – Aifred**

*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*

Hack RU Fall 2015

## Skills:

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

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

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

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

### **Languages**

*English (fluent), Tamil (spoken)*