

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)