Rangaraj Tirumala

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New Brunswick, NJ

Education:

Rutgers University New Brunswick   Class of 2019
- *B.A. in Cognitive Science and Philosophy*
- *Minor in Entrepreneurship*

Work Experience:

Research Assistant – Rutgers University Center for Cognitive Science (RUCCS)   January – Present
- *Creating ibex based app to conduct linguistics study in Python*
- *Assisted in conducting lab study with participants*
- *Work closely with leading experimental linguist Dr. Kristen Syrett to implement study*

Dance Instructor/Graphic Designer – Nrithyanjali School of Dance   August 2012 – Present
- *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*

Software Engineering Internship – Sparta Systems   May – August 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*
- *Gained experience as a scrum team member and leading daily standup*

Software Engineering Internship – Nibbly/Worldview   June – August 2015
- *Developed and designed Android App for tech startup*
- *Actively participated in a remote scrum team*

Photographer/Videographer – Nrithyanjali Institute of Dance   July – August 2015
- *Recorded and Edited Bharatanatyam Arangetram (dance recital) videos*

Accolades and Projects:

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*

IRMA – Instant Relief and Medical Attention   PennApps Fall 2017
- *Crowdsourced solution to connect first responders to Hurricane victims*
- *Developed with Twilio based SMS service and MongoDB database*

Loch Ness Platform   PennApps Spring 2017
- *Internet of Things (IOT) platform*
- *Designed & 3D printed bolt lock with IOT control*

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*

Skills:

Computer Languages / Frameworks / Technologies
- *Java, CSS, Less, HTML, XML, Android, Python, Scala, MongoDB, Twillio*

Computer Software / Design Tools
- *Adobe XD, Illustrator, Photoshop, Premiere, Solidworks, Android Studio, Intellij*

Languages
- *English (fluent), Tamil (spoken)*

References furnished upon request