­­

732-997-8242

rangaraj.t@gmail.com

www.rangarajt.com

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 Occulus 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 Occulus 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)*