Rangaraj Tirumala

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New Brunswick, NJ

Education:

Rutgers University New Brunswick　　　　　　　　　　　　　　　　　　Class of 2019
　B.A. in Cognitive Science and Philosophy (specialization in Computer Science)
　Minor in Entrepreneurship

Work Experience:

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

Dance Instructor/Graphic Designer – Nrithyanjali School of Dance　　　　Aug 2012 – Pres
- *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 – 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 Internship – 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*

References furnished upon request