Nikita Ramoji

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EDUCATION

Brown University, GPA: 4.0/4.0   *Computer Science Sc.B. Degree; Class of 2020*
Selected Coursework: Data Structures, Functional Programming, Discrete Math, Statistical Inference I

EMPLOYMENT

R&D Intern   **Intel Corporation**   **Summer 2017**
Smart Devices Innovation Group
- Developed an Android application that connects using WiFi to external devices and allows for continued interaction with said devices through history, map and additional screens.
- Utilized LSTM network through Python Keras and TensorFlow libraries to classify segmented motion data into distinct predetermined movements.

Teaching Assistant   **Brown University**   **Spring 2017 - Present**
- Courses: Functional Programming, A First Byte of Computer Science.
- Designed and graded Python programming assignments for 100+ students; led weekly office hours.

Student Researcher   **Humans to Robots Lab**   **Fall 2016 - Present**
- Developed research study, under Professor George Konidaris, differentiating user experience for a virtual reality humanoid avatar versus a standard website shopping interface
- Used JavaScript and HTML/CSS with Qualtrics interface to create research survey for study participants.

LEADERSHIP EXPERIENCE

President & Founder   **CS4SocialGood**   **Spring 2017 - Present**
- Founded a student initiative with 100+ members aiming to create discussion and opportunities around the intersection of technology and social good.
- Invite speakers, created volunteering opportunities, and lead group discussions and events.

Course Developer   **Brown University**   **Spring 2017 - Present**
- Developing a Spring 2018 course under Professor Ugur Cetintemel oriented around students working directly with a non-profit on a technical social impact project

PROJECTS

Conversationalist (HackMIT) – Implemented a JavaScript and Ruby Sinatra web app which generates a dynamic infographic of conversational participation to highlight those who should be given an opportunity to contribute.

Algorithmic Trading Bot (Jane Street ETC) – Wrote a Java program that parsed a custom exchange protocol and made efficient market trading decisions (Code available upon request).

GUIzilla (Class Project) – Utilized Scala to build a web server, with custom accompanying web pages and search function, and a personalized JavaFX web browser (Code available upon request).

Dahlia Emergency Earring (M&TSI) – Developed a successful concealed button earring-back using an Arduino that messages emergency services with the user's location when activated. Won the 2015 M&TSI People's Choice Award.

TECHNICAL SKILLS

Proficient: Java, Python. **Familiar**: Scala, JavaScript, MATLAB, HTML/CSS, and OCaml.