Sreeya Sai

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Education

Northeastern University Boston, MA   Sept. 2015 – present
College of Computer and Information Science   Dean's List
Candidate for a Bachelor of Science in Computer Science, May 2019
Related Courses: Algorithms & Data Structures, Object-Oriented Design, Database Design,
                              Software Development, Theory of Computation, Data Analysis and Integration

Computer Knowledge

Languages: Java, Python, SQL, HTML, CSS, Javascript
Libraries/ Frameworks: jQuery, Angular.js, Express.js, Node.js
Software/ Tools: Git, MySQL, Android Studio, Natural Language Toolkit, MongoDB

Work Experience / Leadership

IBM Research Cambridge, MA   Jan. 2017 – June 2017
Software Engineering Research Co-op, Mentored/Managed by Dr. Amar Das
- Designed and implemented a knowledge graph for representing a physician-patient conversation to generate summaries of the encounter
- Used Python's Natural Language Toolkit and Watson Natural Language Understanding to determine the context of the conversation and create relationships between the medical entities discussed

SheHacks Boston: The Largest All-Female Hackathon in the World Boston, MA   June 2017 – Present
Head of Logistics
- Organize the venue and supplies to accommodate ~1,000 students in a campaign to promote inclusion in tech
- Lead sponsorship outreach, advocacy, and fundraising efforts to subsidize $150,000 budget

Northeastern Computer Science Department Boston, MA   Sept. 2016 – Present
Teaching Assistant for Fundamentals of Computer Science I
- Lead weekly labs and office hours to tutor students in functional programming concepts

American Cancer Society's Relay For Life Boston, MA   July 2016 – Present
Fundraising Chair, Website Chair
- Coordinate fundraising efforts to support the largest student-run campus event with 3,000 participants, raising $270,000 for cancer research and support
- Update and organize the event website using HTML for the Event Leadership Team of Northeastern

Projects

P.U.S.H: Preventing Unwanted Social Harassment   Feb. 2017 - Present
- Built an Android app that allows users to quickly notify a select group of friends that they are in danger
- Used Bandwidth API to automate text messages through HTTP POST requests
- Won Best Mobile App and Best Hack Using Bandwidth API for Calling and Texting at Pearl Hacks 2017

Finesse Fitness: An Interactive Workout Experience   Oct. 2016 – Dec. 2016
- Developed a mobile app using Android Studio to create randomized workout routines and SQLite to manage and query user, workout, and exercise information
- Recognized by a Fitbit representative at HackUMass 2016

ADHD Classification Using Spectral Graphs and Von Neumann Entropy   May 2013 – June 2015
- Quantified the difference in entropy between an ADHD and control patient with a .97 significance in two out of four spectral clusters used to model the brain using Weka and MATLAB
- **Awards:** National Siemens Competition Semifinalist 2014, Gold Medal at Genius Olympiad in Oswego, NY, Acorda Scientific Excellence Award 2015, presented research at Women in Machine Learning Workshop

References Available Upon Request