

# 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 \$250,000 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

- Build an android app that allows users to quickly notify a select group of friends that they are in danger
- Use 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**