Brett Gurman

44 Emery Street, Medford MA 02155

brettgurman.github.io • brett.gurman@tufts.edu • (203) 803-8395

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Education

Tufts University, Medford, MA   **GPA: 3.33**

- Bachelors of Science in Computer Science and Cognitive and Brain Sciences, May 2017
- Relevant Coursework: Machine Structure and Assembly Language, Programming Languages, Computer Graphics, Data Structures, Web Programming, Computation Theory, Operating Systems, Natural Language Processing, Human Computer Interaction, Algorithms

Work and Research Experience

Tufts Department of Computer Science | Medford, MA

Teaching Assistant | September 2014 - Present   (Comp11, Comp15, Comp40)

- Grade assignments for first three courses required for the Computer Science major
- Teach computer labs for beginner and intermediate level students
- Guide students in completion of major course assignments during office hours

JoMI (Boston Startup) | Boston, MA

Software Engineer | June 2015 - August 2015

- Created web content for a video-based medical journal startup company

Tufts Human-Robot Interaction Laboratory | Medford, MA

Teaching Assistant | September 2014 - Present

- Implemented methods to incorporate a physics simulator into decision making algorithms for use with robots

Skills

Programming Languages:	C, Python, C++, Assembly, Javascript, HTML, CSS, Scheme, Standard ML, Java, Bash, SQL, R, Ruby, PHP
Software:	Microsoft Office, GNU, Git, Linux, Mac OS, Windows, Heroku
Foreign Languages:	Chinese

Selected Projects

Lost and Found App | Fall 2015 (Tufts Fall 2015 Hackathon)

- Developed a flask- and postgresql-based web app that allows finders of lost items to advertise their finds and helps owners of lost items to recover their belongings

Statistical Syntax Parser

- Implemented the CKY dynamic programming algorithm for probabilistic context-free grammars, which takes english sentences and determines and returns the appropriate syntax tree based on probabilities learned from training set