

AMANDA FOUN

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Education

Wellesley, MA **Wellesley College** **September 2013 - May 2017**

- B.A. in Computer Science with Minor in Mathematics. GPA: 3.67
- Relevant Coursework: Advanced Graph Theory, Theory of Programming Languages, Natural Language Processing, Computer Security, Algorithms, Machine Organization, Computer Networks, Data Structures, Combinatorics and Graph Theory, Human Computer Interaction, Linear Algebra, Probability and Elementary Statistics, Multivariable Calculus.

Experience

Software Engineer, Intern **Bank of America** **June 2016 – August 2016**
Enterprise Control Function

- Built RESTful API with Node and Express for internal task management tool that returns JSON data from MongoDB database.
- Created dynamic webpages and implemented an AngularJS in-place editing feature.
- Used Agile methodologies: Facilitated sprint planning and daily stand-up meetings.

Wellesley Hackathon Co-Chair **Wellesley College** **March 2016 – Present**

- Organize WHACK with a focus on engaging female undergraduates and first-time hackers.
- Develop partnerships with non-profits for WHACK's "Hack for Social Good" theme.
- Recruited more than twice as many mentors and 20% more participants as previous years.

Researcher **Wellesley College** **May 2015 - August 2015**

- Analyzed the video watching behavior of 7000 students from an edX course.
- Developed Python program that identifies peaks in student click-level interactions. Discovered most peaks were caused by transitions, explanations, and introduction of new terms.
- Implemented a topic modeling algorithm.

Projects

- **Food for Thought** (Massachusetts Institute of Technology Media Lab, Viral Group, 2016): Recipes mobile app for low-income families. Bootstrap, jQuery mobile, Flask, MongoDB.
- **World of News** (Hackathon, 2015): Web application that aggregates news articles from different online newspapers and blogs around the globe.
- **Thought Cloud** (Hackathon, 2015): Arduino application that changes color based on a user's tweet of their mood. An accompanying web app generates visualizations of the user's daily mood.

Activities and Awards

- **Teaching Assistant:** Introduction to Computer Programming course (January 2015-May 2016)
- **Research presenter:** Consortium for Computing Sciences in Colleges (April 2016)
- **1st Prize at Brandeis University Hackathon** (March 2015): Team awarded 1st place for Thought Cloud project, out of about 15 teams.
- **2nd Prize at Wellesley College Hackathon** (October 2015): Team awarded 2nd place for World of News project, out of 20 teams.

Technical Skills

- Python; Java; HTML; CSS; JavaScript; Bootstrap; Flask; AngularJS; Node.js; MongoDB; Express.