

AMANDA FOUN

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Education

Wellesley, MA	Wellesley College	September 2013 - May 2017
<ul style="list-style-type: none">• B.A. in Computer Science with Minor in Mathematics. GPA: 3.66• Relevant Coursework: Natural Language Processing (In Progress), Computer Security (In Progress), Algorithms, Machine Organization, Computer Networks, Data Structures, Combinatorics and Graph Theory, Human Computer Interaction, Computer Programming and Problem Solving, Linear Algebra, Probability and Elementary Statistics, Multivariable Calculus.		

Experience

Researcher	Massachusetts Institute of Technology Media Lab	February 2016 - Present
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- Program in HTML, CSS, JavaScript, and Flask to develop recipe mobile app.
- Integrate Flask app with MongoDB database.

Teaching Assistant	Wellesley College	January 2015 - Present
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- Grade and provide feedback on problem sets for the introductory computer programming course.
- Teach effective problem solving and programming skills in Python during weekly office hours and lab.

Researcher	Wellesley College	May 2015 - August 2015
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- Analyzed the video watching behavior of approximately 7000 students from an edX course.
- Developed a Python program that identifies peaks in student click-level interactions, i.e. the snippets of videos with high rates of pausing, playing, or replaying.
- Implemented a topic modeling algorithm to capture video content at click-level interaction peaks, which led us to discover that the most peaks were caused by transitions in videos, explanations by the lecturer, and introduction of new terms.
- Visualized video watching behavior using histograms and line graphs with Python's library, Bokeh.

Projects

- **World of News** (Hackathon, 2015): Web application that aggregates news articles from different online newspapers and blogs around the globe. HTML, CSS, Bootstrap, JavaScript.
- **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. HTML, CSS, JavaScript.
- **Solitaire** (Spring 2015): Implemented a version of the card game Solitaire. Java

Activities and Awards

- **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.
- **Grace Hopper Conference Scholar, Anita Borg Institute** (2015): Awarded a full scholarship to attend the Grace Hopper Celebration of Women in Computing.

Languages

- Java, Python, HTML, CSS, JavaScript