

Elizabeth Hau

Unit 4614, 21 Wellesley College Road, Wellesley, MA 02481
+1 (508)897-9697 · elizabeth.hau@wellesley.edu
<https://www.linkedin.com/in/elizabethhau> · <http://elizabethhau.github.io>

EDUCATION

2012—May 2016 **WELLESLEY COLLEGE**, Wellesley, MA
BA in Computer Science and minor in Mathematics. GPA: 3.76/4.00. Major GPA: 3.93.
Coursework: data structures, machine organization, fundamental algorithms, databases and web interfaces, computer graphics, theory of programming languages, artificial intelligence, computational biology, linear algebra, differential equations, number theory, combinatorics & graph theory, abstract algebra, natural language processing, languages and automata.

WORK EXPERIENCE

Summer 2015 **Amazon, Software Development Engineer Intern** (Seattle, WA)

- Added a feature to Amazon Instant Video's Recommender system using the Spring framework
- Built a feature in Java that generates recommendations on Amazon Instant Video based on user's recent viewing history and provides additional context to the recommended titles
- Improved new hire onboarding efficiency by updating the team's new hire boot camp

2015 – Present **Wellesley College Computer Science Department, Tutor**

- Hold drop-in hours and grade assignments for 22 students taking Fundamental Algorithms

2014 – Present **Wellesley College Math Department, Supplemental Instructor & Grader**

- Supplemental Instructor – attend all class sessions, create worksheets based on materials taught in class, conduct review sessions twice a week, and hold office hours for 50 students taking Combinatorics and Graph Theory
- Grader – assist professor in grading assignments and communicate with the professor about students' progress

Summer 2014 **Girls Who Code, Teaching Assistant** (Seattle, WA)

- Assisted the instruction of the Girls Who Code computer science curriculum to 20 high school girls
- Supported teacher in classroom management, lecture, and discussions
- Identified students' weaknesses and provided one-on-one support as needed
- *Technologies used:* Python, JavaScript, HTML, CSS, jQuery, ProcessingJS, Scratch

PROJECT HIGHLIGHTS

2016 **Public Speaking Feedback Tool** (*Python*)

- Built a program that provides feedback on filler word usage in a recorded speech

2015 **Twitter Sentiment Analysis** (*Python*)

- Worked on a modified version of a SemEval 2016 challenge (Task 4-C) of classifying tweets such that given a tweet about a public figure, we can classify its sentiment on a 3-point polarity scale

2015 **WellConnected** (*PHP & MySQL*)

- Made a web application to help current Wellesley students connect with recent alumnae across departments

2014 – 2015 **Housing System for Wellesley College** (*Java*)

- Built a program in Java to automate the Housing department's process of sorting 2000 students into their residence halls for the following academic year

EXTRACURRICULARS

2015 **Cloud-based Research**

- Participated in research on the development of new mechanisms for improving the performance of applications in the cloud
- Worked on experimentation and measurement within the cloud and definition of new problems and algorithms for solving them in Java

2012 – 2014 **Wellesley College Crew**

- First place – Seven Sisters Championships 2013 & 2014, 2013 NEWMAC Rowing Champions
- Devoted at least 27 hours a week to practices, workouts, and regattas

SKILLS AND BACKGROUND

Skills: proficient—Java; intermediate—Python, JavaScript, MySQL, HTML, CSS, PHP; beginner – Swift, Ajax, jQuery
Languages: fluent in English and Chinese (Mandarin)