

Elizabeth Hau

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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, natural language processing, artificial intelligence, computational biology, computer graphics, theory of programming languages, languages and automata, linear algebra, differential equations, number theory, combinatorics & graph theory, abstract algebra

WORK EXPERIENCE

2018 – present **Wayfair, Software Development Engineer II** (Boston, MA)
○ Leading the Engineering Efficiency team on Final Mile
○ Exploring new technologies, building proof of concepts, revamping and standardizing existing processes, with the goal of helping engineers function more efficiently

2016 - 2018 **Wayfair, Software Development Engineer** (Boston, MA)
○ Full stack software engineer on Wayfair's Transportation—Final Mile/ Hubs team
○ Implemented and supported the 30 day pilot of asset based delivery agents (DA) picking up large parcel returns at our Burlington, NJ delivery center. The pilot proved significant cost savings over third party providers (\$4M annualized when fully scaled) and resulted in very positive customer experience relative to third party providers picking up returns
○ *Technologies used:* SQL, PHP, JavaScript (React)

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

2014 – 2016 **Wellesley College Math Department, Supplemental Instructor & Grader** (Wellesley, MA)
○ Supplemental Instructor – attend all class sessions, create worksheets based on material taught in class, conduct review sessions twice a week, hold office hours for students taking Combinatorics and Graph Theory

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
○ *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 using CMU PocketSphinx

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

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, Python, PHP, JavaScript, MySQL, MSSQL, HTML; intermediate—Kafka, CSS, Ajax, jQuery, React; beginner – Swift, Backbone.js

Languages: fluent in English and Chinese (Mandarin)