

Sarah Lim

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EDUCATION

Northwestern University, B.A. Computer Science — GPA: 3.92

Jun 2018 (Expected)

Upper-level coursework: Design, Technology, and Research (DTR), Software Construction, Human-Computer Interaction, Design and Analysis of Algorithms, Intro to Theory of Computation, Intro to Artificial Intelligence, Machine Learning, Probabilistic Graphical Models, Programming Languages, Intro to Databases

Leadership and service: Weinberg College of Arts and Sciences Student Advisory Board; Weinberg Curricular Review Committee; Women in Computing; Northwestern Debate Society

WORK EXPERIENCE

Delta Lab, Undergraduate Researcher

Feb 2015 — Present

Researching and building semantic developer tools for CSS, using Node.js, React, and Chrome Remote Debugging Protocol. Designing and conducting usability and system evaluation studies, and writing manuscripts.

EECS Department, Head Teaching Assistant

Sep 2015 — Present

Developing curriculum and assignments for 400+ students, mentoring course staff, and lecturing on topics in functional programming and object-oriented data structures and algorithms.

Khan Academy, Software Engineering Intern

Summer 2017

Built exercise reports for coaches, using React, Redux, GraphQL (Apollo and Graphene), and Python with Google App Engine.

Center for Connected Learning, Software Developer **Jan 2017 — Apr 2017**

Added Web Worker concurrency to the NetLogo Web agent-based modeling engine. Implemented linear algebra primitives in CoffeeScript.

LinkedIn, UI Engineering Intern

Summer 2016

Developed Ember.js addon for charting data with native SVG DOM APIs, replacing the Highcharts library in the InMail Reporting product. Assisted the design of recruiter relevance algorithms.

Common Cause Illinois, Graphic Design Intern

Sep 2014 — Jun 2015

Designed publicity materials for Chicago for Net Neutrality and Fair Elections Illinois campaigns, using Adobe Photoshop, Illustrator, and InDesign.

Early Childhood Cognition Lab, Research Assistant **Sep 2013 — Jun 2014**

Ran experiments and coded data on eye-gaze tracking and preferential looking/reaching behaviors.

PUBLICATIONS

Sarah Lim. Ply: Visual Regression Pruning for Web Design Source Inspection. In *Proceedings of the CHI 2017 Extended Abstracts on Human Factors in Computing Systems*, May 2017.

TA EXPERIENCE

EECS 111: Fundamentals of Computer Programming I (four times) — functional programming in Racket

EECS 214: Data Structures and Data Management (two times) — data structures and algorithms in C#

EECS 474: Probabilistic Graphical Models — graduate-level Bayesian and Markov network representation, inference, and learning

AWARDS & HONORS

- ▶ ACM CHI Student Research Competition, First Place
- ▶ Google Lime Scholarship
- ▶ Microsoft Tuition Scholarship
- ▶ Palantir Women in Technology Scholarship
- ▶ Box Engineering Diversity Scholarship
- ▶ Quip Engineering Diversity Scholarship, Runner-Up
- ▶ Google GHC Travel Grant
- ▶ Lime Connect Fellowship

SKILLS

JavaScript/ES6, Python, CSS/Sass, HTML, React, Redux, Chrome Remote Debugging Protocol.

Familiar: Rust, Racket, C#, Java, C, C++, Apollo GraphQL, Ember.js.

Other: technical writing and public speaking, illustration and graphic design