SARAH LIM

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EDUCATION

Northwestern University — 2018
B.A. Computer Science — GPA: 3.91 / 4.0

ACTIVITIES

Women in Computing (ambassador), ACM (founding member), Debate Society, Kaplan Humanities Scholars

RELEVANT COURSEWORK

Design, Technology, and Research
Human Computer Interaction
Machine Learning
Intro to Artificial Intelligence
Linear Algebra
Differential Multivariable Calculus
Discrete Mathematics
Social Psychology

AWARDS & HONORS

The Alumnae of Northwestern University STEM Scholarship — **2016**

Quip Engineering Diversity Scholarship Runner-up — **2016**

Lime Connect Fellowship — **2016**

Google Lime Scholarship — **2016**

Undergraduate Research Grant — **2016**

Milton S. Florsheim & John B. Kirk Award for Excellence in Debate — **2015**

National Merit Scholarship — **2014**

WORK EXPERIENCE

UI Engineering Intern — Summer 2016
LinkedIn — Sunnyvale, CA
- Implementing data visualization components for site-wide analytics dashboard products, using Ember.js

Undergraduate Researcher — Jan 2015 — Present
Delta Lab — Northwestern University
- Researching and developing web-based systems to integrate professional source code into end-user programming workflows
- Previously worked on TagStyle, a learnersourcing platform for front-end programming tasks. Coauthored paper for submission.

Teaching Assistant — Sep 2015 — Present
EECS Department — Northwestern University
- Teaching weekly recitations, holding office hours, and tutoring
- Developing assignments, assessments, and teaching practices as a Head TA for EECS 111, the largest CS course at Northwestern
- EECS 111: Fundamentals of Computer Programming I (Fall 2015, Winter 2016, Fall 2016), EECS 214: Data Structures (Spring 2016)

Design Intern — Sep 2014 — Jun 2015
Common Cause Illinois — Chicago, IL
- Produced mockups and final designs of publicity materials for print and web, working on the Chicago for Net Neutrality and Fair Elections Illinois campaigns

Research Assistant — Sep 2013 — Jun 2014
Early Childhood Cognition Lab — University of Washington
- Worked with Jessica Sommerville and Alia Martin, coding and analyzing behavioral data regarding the development of fairness perceptions and prosocial behaviors in infancy

PROJECTS

Ply — JavaScript, Node.js, Chrome Developer Tools, Immutable.js
- Scaffolding web inspector designed to facilitate end-user feature inspection by highlighting relevant properties, determined based on existing web tutorials

Predicting the popularity of user-generated discussion questions — Python
- Wrote program to collect and preprocess data using the Reddit API and NLTK. Trained alternating decision trees to predict popularity of AskReddit submissions

Scout — JavaScript, Meteor, React, MongoDB
- Web application for administration and crowdsourcing of real-time competition results

Commentator — JavaScript, Google Apps Script
- Google Apps Script backend for collecting and automatically publishing instructor feedback to student sites. Used by 38 students and 10 instructors at the 2015 Northwestern Debate Institute

SKILLS

Languages (Experienced):
Python, JavaScript/ES6, HTML5, CSS3

Languages (Familiar):
Racket, Java, C++, C

APIs:
jQuery, React, Node.js, Sass, Meteor, MongoDB, Immutable.js, Redux, Mocha, Chai, Bootstrap, Jade/Pug, Handlebars

Software:
Photoshop, Illustrator