

EMILY LING

PRESENT ADDRESS

3552 Spring Street
Redwood City, CA 94063

eling8@stanford.edu | 630.730.8410

PERMANENT ADDRESS

1351 Lee Place
San Jose, CA 95131

EDUCATION

9/2014 - present

Stanford University, Stanford, CA

- Received BS degree in Computer Science (Information track), conferred 6/2018
- Pursuing MS degree in Computer Science (Artificial Intelligence track), to be conferred 6/2019
- Coursework includes Artificial Intelligence (CS221), Machine Learning (CS229), Web Applications (CS142), Principles of Computer Systems (CS110), Network Analysis (CS224W), NLP with Deep Learning (CS224N), Massive Data Sets (CS246), Introduction to Computer Networking (CS144)
- GPA: 3.91/4.0

EXPERIENCE

1/2018 - Present

Teaching Assistant | Stanford University Computer Science Department | Stanford, CA

- Hold office hours, answer questions, teach a lab, grade assignments/exams, and assist with course
- CS224N (Natural Language Processing with Deep Learning) in Winter 2018
- CS107 (Computer Organization & Systems) in Spring and Fall 2018

6/2018 - 8/2018

Software Engineering Intern | Verily Life Sciences | South San Francisco, CA

- Intern on the Project Baseline team, building infrastructure to support a clinical study
- Designed, planned, and implemented significant backend changes to a complex existing system, which impacted many projects and involved significant cross-team & cross-function collaboration
- Implemented the ability to generate dynamic surveys for users based on real-time, personal data

6/2017 - 9/2017

Software Engineering Intern | Khan Academy | Mountain View, CA

- Backend intern on the Coached Learning team, focusing on teachers and classrooms
- Implemented email subscriptions and notifications for classes and assignments
- Proposed, planned, and implemented a project to whitelist GraphQL queries across web app and mobile, in order to improve security and reduce client-server bandwidth

6/2016 - 8/2016

Software Engineering Intern | Bloomberg LP | New York City, NY

- Intern on the Internal Systems NLP team, developing a new application to filter and subscribe to incoming customer service tickets
- Developed full-stack application in C++, JavaScript, Python

6/2015 - 9/2015

WhatsApp Software Engineering Intern | Facebook | Mountain View, CA

- Intern on the Tools Team, focusing on automation across many languages and client platforms
- Automated Android, iOS, and Windows phone apps in 22+ languages
- Wrote code in Python, Javascript, Java, C#

4/2015 - 8/2017

CS 106 Section Leader | Stanford University Computer Science Department | Stanford, CA

- Served as a teaching assistant for Stanford University's introductory computer science classes
- Taught weekly discussion sections of 8 to 12 students
- Debugged code in both Java and C++; Grade homework assignments and exams

AWARDS & PROJECTS

11-12/2017

RainbowNet: Automatic colorization of black-and-white images using a feed-forward CNN.

10-12/2017

Build the Internet: Implemented basic components of the Internet, including a TCP-compliant transport layer, router, and NAT. Allowed for simple communication between machines.

3/2017

Named Entity Recognition and Compositional Morphology in Chinese:

- Used bidirectional, multi-layer RNN's implemented in TensorFlow, using varying combinations of token, character, and radical-level features to label entities in Chinese text

12/2016

Urban Spiderwebs: Comparative network analysis and traffic simulation in 25 global cities to detect and model traffic congestion patterns in varying urban road network structures

11/2015

Heap Allocator: An implementation of malloc, realloc, and free in C

10/2015

President's Award: Recipient of the President's Award, honoring students in the top 3% of the class

SKILLS

Technical: Python, C, Java, C++, JavaScript, HTML/CSS.

Languages: Fluent in English, Chinese. Conversational French.