

# Philip Weiss

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## EDUCATION

### STANFORD UNIVERSITY

Expected June 2019 | Stanford, CA

**DOUBLE MAJOR: (GPA: 3.86/4.0)**

- Computer Science, concentration in Artificial Intelligence

- Chinese Language

### LINCOLN HIGH SCHOOL

Grad. June 2015 | Portland, OR

- Class Valedictorian

- GPA: 4.0 Unweighted, 4.7 Weighted

## SKILLS

### PROGRAMMING

Over 10,000 lines:

C++ • C • Ruby • Javascript (ES5, ES6)

HTML/CSS • Rails •  $\LaTeX$  • Java

Over 1000 lines:

C • Python • Assembly • NodeJS

Tools:

Unix/Linux • Git/Github •

Webpack • Docker • Jenkins

## COURSEWORK

### COMPUTER SCIENCE+MATH

-MATH51: Linear Algebra and Multivariable Calculus

-Math112: Introduction to Analysis

-Math131: Introduction to Number Theory

-CS103: Mathematical Foundations of Computer Science

-CS107: Computer

Organization/Systems

-CS109: Probability and Statistics for Computer Scientists

-CS110: Principles of Computer Systems

-CS142: Web Applications

-CS155: Computer and Network Security

-CS161: Algorithm Design and Analysis

-CS193A: Android Programming

-CS221: Artificial Intelligence

### MANDARIN CHINESE

- 9 Years of Chinese language experience.

- Can read/write 5000+ characters.

## EXPERIENCE

### HULU | SOFTWARE ENGINEERING INTERN

June 2017 – Sep 2017 | Full Time | Santa Monica, CA (expected)

- Team: Site Platform.

### NEW RELIC | SOFTWARE ENGINEERING INTERN

June 2015 – Sep 2015 | Full-Time | Portland, OR

- Full stack development on Insights, an analytics tool used by thousands for visualizing user behavior, business transactions, and performance issues.
- Built and open-sourced Pivotal2Quip, which allows teams to share their PivotalTracker progress automatically. This project automated a task that was taking managers approximately 2 hours per week to do.

### CHESS GEEKS | WEB DEVELOPER

June 2013 – Oct 2014 | Part-Time | Portland, OR

- Wrote automation and web crawling software for Chess Geeks, an online retailer based in Portland, in order to facilitate product sales and to help find suitable products to resell.

## RESEARCH

### STANFORD LINGUISTIC EXAMPLES DATABASE

FOUNDER, LEAD PROGRAMMER

March 2017 - Present | Stanford, CA

- SLED is a project I co-founded with two PhD students under the direction of Stanford professor Chris Manning (Natural Language Processing Group). SLED aims to facilitate sharing data between linguists working on similar languages or linguistic topics. Paper forthcoming.
- Aims to supply an open linguistic dataset based on examples gathered.
- Built with Ruby on Rails, Bootstrap, Redis, etc.

### STANFORD HUMAN COMPUTER INTERACTION GROUP

(RESEARCH ASSISTANT)

June 2016 – Sept 2016 | Stanford, CA

- Worked on a large scale study examining how teams of distributed, remotely managed workers performed complex tasks.
- Built a web application automating research work flow, tripling the amount of teams we could study simultaneously.

## SPACE

### STANFORD STUDENT SPACE INITIATIVE - HABMC

HIGH ALTITUDE BALLOON MISSION CONTROL

2016 - Present | Stanford, CA

- Part of the student-run HABMC engineering team. I help build a massive mission control suite (400k+ Lines of Code). Features include active guidance using live weather data, flight tracking using data from GPS, and a beautiful dashboard visualizing altitude, temperature, voltage, rate of ascent, remaining ballast, etc.

## ACTIVITIES/HOBBIES

Theater (Ram's Head), Stanford Space Initiative (Winner 2017 Hackathon), Outdoors (Eagle Scout, Stanford Hiking), Chess (Oregon State Champion), AEPi Fraternity (Webmaster), Jewish Student Association, CS Tutoring, Stanford Swimming.