

# David Wang

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## EDUCATION

### STANFORD UNIVERSITY

Stanford, CA

2015 – 2017

2011 – 2015

- M.S. Computer Science, Artificial Intelligence Concentration
- B.S. Symbolic Systems, Human-Computer Interaction Concentration
- Relevant coursework: Queer Studies; Narrating Queer Trauma; Feminist and Queer Theory; Counterstory and Narrative Inquiry; Interpersonal Relations; Introduction to Sociology; Social Information and Network Analysis

## WORK EXPERIENCE

### TWIN CITIES RISE – *Contract Software Developer*

6/2017 –

- Developed and scaled a cross-platform project to create individualized development plans for participants of TCR's workforce development program. Coordinated across teams to assess needs, set goals, and evaluate the success of the project.

### MINNEAPOLIS PUBLIC SCHOOLS – *Check & Connect Monitor / Americorps Promise Fellow*

11/2017 – 8/2018

- Utilized evidence-based preventative-focused interventions to improve school engagement for at-risk students.
- Acted as an advocate and case manager for 30 students, facilitating collaboration between the students and other stakeholders

### KHAN ACADEMY – *Software Engineering Intern*

6/2015 – 9/2015

- Built moderation tools to maintain the quality of discussion and community at large; rewrote the content publishing process to be faster and more fault-tolerant; hacked together a video recommendation system for KA's Healthy Hackathon

### NEBULA - *Technical Intern / KPCB Engineering Fellow*

6/2013 – 9/2013

- Created a prototype of a fault-tolerant, unified, and structured logging architecture for the Nebula One
- Improved the Python-based unit and functional testing suites by creating the framework to allow developers to quickly write effective unit tests using the Guard Assertion unit testing pattern

### FACEBOOK - *Software Engineering Intern*

6/2012 – 9/2012

- Worked with the Open Graph team to create a mobile component and rebuild the web version of a Platform Dialog
- Utilized XHP (Facebook's open-sourced PHP extension) to port the dialog over to the new MVC web framework

## RESEARCH EXPERIENCE

### STANFORD NATURAL LANGUAGE PROCESSING GROUP - *Research Assistant*

6/2014 – 8/2014

- Collaborated with Percy Liang on creating a semantic parser that separates the problems of logical compositionality and lexical variability: applied our parser to the domains of question answering and programming in natural language.

### COMPUTATION AND COGNITION LAB - *Undergraduate Researcher*

1/2014 – 6/2014

- Worked on designing constructs and patterns that formalize the natural language descriptions of scientific theories (as written in textbooks) by transforming them into a probabilistic programming language

## TEACHING EXPERIENCE

### JUNI LEARNING – *Lead Course Instructor*

9/2017 –

- Developed curriculum and teach both private and group online computer science classes to students of ages 9 – 49.

### CODE.X – *Volunteer Instructor*

6/2017 – 8/2017

- Worked with local partners to manage and teach a class of 15 high schoolers computer science in Palestine

### STANFORD COMPUTER SCIENCE – *Course Assistant*

1/2015 – 3/2017

- Write exams, grade assignments and exams, and hold office hours for Logic Institute Summer Camp, CS110 (Principles of Computer Systems), CS109 (Introduction to Probability), and CS107 (Computer Organization and Systems)

### GOOGLE – *Student Researcher*

3/2014 – 6/2014

- Curated a collection of CS1/CS2 resources for the EngageCSEdu program, whose goal is to support the retention of women and other underrepresented groups in undergraduate computing education

### CS198 SECTION-LEADING PROGRAM - *CS106 Section Leader*

9/2012 – 6/2014

- Teach a section of ~12 students for Stanford's three introductory computer science courses