

# LINDA HE

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## OBJECTIVE

Obtain a summer internship where I can further my skills as a developer, gain experience in a team-oriented environment, and acquire insight into the fundamentals of the design process

## EDUCATION

### **University of California, Berkeley**

Bachelor of Arts in Computer Science

Expected Graduation: *May 2016*

Current GPA: 3.33

### **Newtown High School, CT**

Top 2% of Class of 2012, High Honors

Graduated: *June 2012*

Graduating GPA: 4.08

## SKILLS

**Software:** Microsoft Office; Adobe Photoshop, Illustrator and InDesign

**Languages:** Proficient in Java, Python, C; currently learning HTML5, and CSS

**Miscellaneous:** 8 years of independent interest in artwork and graphic design developed a high proficiency with digital media, culminating in volunteered and paid graphic design work

## NOTABLE COURSEWORK

### **"Ants Vs. Bees" game** (Python)

- Used object-oriented programming paradigms to create a tower defense game with a working GUI

### **Scheme interpreter** (Python)

- Constructed an interpreter for a subset of the Scheme language while taking into account the byproducts of implementation decisions in interpreters and compilers

### **"Network" game** (Java)

- Wrote a program that plays the game "Network" against a human or another AI using a game tree search algorithm

### **Co-occurrence word analysis** (Java)

- Used MapReduce to calculate rates of words statistically associated with a target word in large data sets

### **Image processing and optimization** (C)

- applied optimization techniques on an image processing formula for 2D convolution on images in order to get forty-fold speed-up

## LEADERSHIP & INVOLVEMENT

### **CS61A lab assistant**

Berkeley, CA (*Aug 2013 – present*)

- Served as an aid to the TA and professor in CS61A (Structure and Interpretation of Computer Programs) by acting as a resource to the students during lab and office hours

### **CS KickStart organizer and lab assistant**

Berkeley, CA (*July 2013 – present*)

- Was a participant of CS KickStart during August of 2012, a week-long program meant to develop initiatives that recruit and retain women in computing and technological fields of study. Assisted during lab hours and helped organize an immersive industry trip to Twitter.

### **UC Berkeley Pioneers in Engineering (PiE) mentor**

Berkeley, CA (*Jan 2013 – May 2013*)

- Acted as a high school mentor in PiE; organized trips to and from San Lorenzo to help students design, build, code, and finally play their robot in a tournament at UC Berkeley.

### **Newtown High School debate team co-captain**

Newtown, CT (*June 2011 – June 2012*)

- Oversaw club administration, including seminars on case writing and editing, public speaking practice, and recreational gatherings

### **Waitress at Sweet Mango Restaurant**

Newtown, CT (*Sept 2011 – Aug 2012*)

- Engaged with customers in a professionally efficient yet approachable manner.