

# Annie Ke

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## EDUCATION

### DARTMOUTH COLLEGE

BA IN COMPUTER SCIENCE & MATHEMATICS

Expected Grad. 2019 | Hanover, NH

Activities – Dartmouth Symphony

Orchestra, Women in Science Program

GPA: 3.96 / 4.0

Major GPA: 4.0 / 4.0

### PIEDMONT HILLS HIGH

Grad. May 2015 | San Jose, CA

Unweighted GPA: 4.0 / 4.0

(with 12 AP Courses)

SAT: 2390

## COURSEWORK

### UNDERGRADUATE

- Multivariable Calculus
- Discrete Math
- Object Oriented Programming
- Design Thinking
- Honors Introductory Physics (Modern Physics w/ Mechanics and E&M)

### Upcoming

- Algorithms

## TECHNICAL SKILLS

### PROFICIENT

- Java
- HTML & CSS

### FAMILIAR

- JavaScript
- Python

### TOOLS USED

- jQuery
- Django
- Bootstrap
- Git
- $\LaTeX$

## LANGUAGES

- English
- Mandarin
- French
- Shanghai Dialect

## LINKS

Github:// [annieke](#)

LinkedIn:// [annieke](#)

## WORK & LEADERSHIP EXPERIENCE

### DARTMOUTH CS DEPARTMENT | CS10 TEACHING ASSISTANT

Starting Sep 2016 | Hanover, NH

- Requested by professor as top student in class
- Will lead weekly recitation sessions to review concepts of Object Oriented Programming in Java

### PANLEX, LONG NOW | SOFTWARE INTERFACES INTERN

Jun 2016 – Aug 2016 | Berkeley, CA

- Developed a “Google Translate”-like web application to translate words between hundreds of languages, using the PanLex database
- Application deployed at <https://teradict.herokuapp.com/>

### DARTMOUTH DARTNETS LAB | RESEARCH INTERN

Nov 2015 – Jun 2016 | Hanover, NH

- Collaborated with Professor Xia Zhou to build and refine an LED light + photodiode system that detects and tracks human action unobtrusively

### DARTMOUTH ACADEMIC SKILLS CENTER & PHHS | TUTOR

Sep 2014 – Nov 2015 | Hanover, NH & San Jose, CA

- Tutored peers in multivariable calculus & various STEM AP classes
- Increased past tutee's SAT score by 100+ points

### AUDIENCE, INC. | MARKETING INTERN

Jul 2014 | Mountain View, CA

- Authored official corporate blog posts
- Collected specifications data sheet for new testing device
- Conducted employee feedback surveys for internal beta program

### PHHS INTERACT | PRESIDENT (14 - 15), CLUB OFFICER

Sep 2011 - Aug 2015 | San Jose, CA

- Led & grew medium-sized club into largest club on campus with ~500 members
- Organized club's service calendar & attended weekly activities – personally contributed 550+ hours of service
- Initiated Summer Interact, series of bonding & leadership workshops, officer shadowing program, & annual charity fashion show during presidency

### PHHS SYMPHONY ORCHESTRA | CONCERT MASTER

Aug 2013 - May 2015 | San Jose, CA

- Guided rehearsals for 70+ musicians & stood in as conductor when necessary
- Led orchestra into earning 2 overall Superior ratings at statewide festivals

## AWARDS & HONORS

2016	Dartmouth College Top 5%	Rufus Choate Scholar
2016	Dartmouth College	ISTS & Neukom Grant Recipient
2015	Nation Top 300	USA Physics Olympiad Semifinalist
2015	PHHS	Class Valedictorian
2015	Nation	National Merit Finalist
2015	PHHS	Math, Science, Music, English Department Awards
2015	Nation	National Honor Society
2014	Nation	National AP Scholar
2014	Region	Solo Ensemble Bay Section Command Performance