

## + employment

### PixelHacks

Co-founder and Director

Oct 2016 to Present

Cofounded and presided over PixelHacks ([www.pixelhacks.com](http://www.pixelhacks.com)), the Bay Area's first all-female and student-run high school hackathon. Found venue, secured 25+ corporate sponsors, and recruited 70+ attendees for PixelHacks I.

### Khan Academy's Student Advisory Council

Head Coordinator and Member

Jul 2015 to Present

The council is made up of about 30 high school and college students, who serve as student advisors for Khan Academy over the course of a full academic year. The mission of the council is to help Khan Academy create a better educational experience for students. I lead the council of students by designing, administering, and reviewing projects that improve Khan Academy's content and strategy (for example, reviewing math and science videos/articles and providing feedback on how the articles could be improved for students).

### Research Experiences for Undergraduates at Emory University

Research Intern

Jun 2017 to Jul 2017

Participated in Emory University's REU (Research Experiences for Undergraduates), a 6-week number theory research program headed by Ken Ono. Awarded through and sponsored by the Templeton-Ramanujan Summer Fellowship. Conducted research on producing an infinite class of polynomials that satisfies the Riemann Hypothesis. Paper: <http://tinyurl.com/CuretonYeo>, submitted for publication.

### Brace-Ed

Founder and Teacher

Mar 2016 to Jun 2017

Run weekly paid-tuition classes to teach high school students the fundamental concepts in core subjects (for now, just math and computer science). I have taught 18 students (in the past 2 school years) who have been unable to receive a satisfactory calculus education at school fundamental calculus concepts to guarantee them to pass the AP exam. In 2016, all of my students except one received a 5 on their AP Calculus AB exam, despite them entering my class with an average of 2 on their diagnostic AP exam. Check out [www.brace-ed.tech](http://www.brace-ed.tech) for more information.

### Khan Academy

Content Team Intern

May 2015 to Jun 2015

Worked as part of the Content team to complete a variety of projects efficiently.

- Evaluated ~2000 videos for the Khan Academy Talent Search video contest.
- Created math and computer programming exercises and quizzes.
- Designed illustrations for the website's interface and math exercises.
- Tabulated 1500 responses from a survey regarding educational YouTube channels.- Evaluated all applications for the Student Advisory Council.

## + community service

### High School Mathematics Journal

Editor

Mar 2017 to Present

Review research publications and edit submissions for High School Math Journal ([www.hsmathjournal.com](http://www.hsmathjournal.com)), the first math journal dedicated to publishing high schoolers' mathematical research.

### San Jose Math Circle

Mentor

Aug 2016 to Present

Volunteer and help out at the San Jose Math Circle, a math circle for middle school students. Also run a monthly contest for the students, challenging them to tackle difficult math problems with persistence and creativity.

### Wikipedia

Editor

Aug 2012 to Present

Made 600+ contributions since 2012, including creating new articles, adding content to existing articles, updating facts, and verifying content validity. Achieved special editor privileges since Jan 2014. Leading active member of WikiProject Swimming (articles related to competitive swimming).

### Girls Teaching Girls To Code

High School Liaison

Sep 2016 to Aug 2017

Organized community events (like CodeCamp, Hour of Code, and other workshops) to encourage girls to be interested and pursue STEM subjects. Ran app development workshops at my local library and mentored Girls Who Code clubs, teaching middle school girls JavaScript and AppInventor concepts and guiding them to apply these concepts to complex applications (i.e. websites, games like Flappy Bird, and Android apps).

### ExpII

Editor

Aug 2015 to Mar 2017

Made over 150 total contributions on ExpII, an online educational resource for math and science. Created many explanations and problems. Active member of girls@expII. User profile: <https://www.expII.com/user/2162>

## + education

### Stanford Online High School

UN Linear Algebra, UN Modern Algebra, UN Real Analysis, Advanced Topics in Microeconomics, Advanced History Research Seminar, Democracy, Freedom, and the Rule of Law, Critical Reading and Argumentation, AP Physics C Electricity & Magnetism, AP Physics C Mechanics, AP Statistics, AP US History, AP Biology, AP Literature

Activities: FTC Robotics Team 5206 (Software Lead), Math Circle

### Basis Independent Silicon Valley

Post-AP Number Theory, AP Calculus BC, AP English Language & Composition, AP Computer Science A, AP Economics (Microeconomics & Macroeconomics), AP US Government, AP World History

Activities: National Economics Challenge (Captain), Math Circle, Girls Who Code (Mentor)

## + awards

### President's Volunteer Service Gold Award Jun 2017

Awarded for extensive amount of hours dedicated to volunteer service in education, especially in my efforts dedicated to bridging the gender gap in technology.

### She++ #include Fellow

Mar 2017

1 of 30 students selected nationally out of over 500 students to present my work with PixelHacks at the annual #include Summit held at Stanford University in an all-expense paid weekend in the Silicon Valley.

### Spirit of Ramanujan Math Talent Initiative Feb 2017

The Spirit of Ramanujan Talent Initiative seeks to discover mathematical talent from around the world. 1 of 10 applicants awarded the Templeton-Ramanujan Summer Fellows Prize to attend and participate in approved summer research in mathematics. Featured as a Top Scorer here: <http://blog.expII.com/2016/05/03/top-score-tuesday-catherine-yeo/>

### WWDC Scholarship Recipient

May 2016

1 of 350 worldwide recipients of a scholarship to attend Apple's Worldwide Developers Conference.

### NCWIT Bay Area Affiliate Award for Aspirations in Computing Winner

Apr 2016

1 of 30 winners selected from the San Francisco Bay Area by NCWIT "in recognition of excellent aptitude and interest in computing, solid leadership ability, good academic history, and future plans in the field of computer science."

### Other Honors

- Featured as #2 in Mogul's 50 High Schoolers You Need to Know About (2017)
- National AP Scholar (2016)
- AP Scholar with Distinction (2015)
- North California Economics Challenge State Championship Finalist (all-freshman team placed in top 5 of Northern California) (2015)