

# ELLEN LUO

## contact

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## work experience

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### OFIP Tutor

#### Thames Valley District School Board

November 2014 - May 2015

Tutored underprivileged students at Aberdeen Public School with a focus on mathematics, technology and development of healthy learning habits.

## skills

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- Java
- Python
- Android
- SQLite
- HTML/CSS
- JavaScript/JQuery

## awards

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- 2016 Mary Louise Wyatt Award:**  
Second highest final average in graduating class
- 2016 ECOO Programming Contest:**  
Provincial semi-finalist
- 2016 Canadian Senior Mathematics Competition National Honor Roll:**  
Approximate rank of 100/7587
- 2016 Certificate of Distinction:**  
Received for Euclid, CSMC, Fermat, CIMC, Galois, Cayley and Pascal mathematics contests
- 2016 Subject Awards:**  
Grade 12 Physics and Computer Science; Grade 11 Functions, Chemistry, Computer Science and Physics; Grade 10 English, French, Industrial Design and Music
- 2015 Alfred Raymond Trust Award:**  
Top three in class based on overall final average from grades 9 to 11
- 2013 Royal Conservatory of Music Level 10 Piano:** First Class Honors

## education

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### University of California, Berkeley

Electrical Engineering and Computer Science, BSc  
Expected Graduation: May 2020

### London Central Secondary School

Ontario Secondary School Diploma | Class of 2016 | 97% final average

## projects

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### DreamPainter

<https://devpost.com/software/dreampainter>

Built Gear VR Android application that allows users to view immersive photospheres and painted images generated using Fast Style Transfer. Developed with Unity, Python and C# with a team of five at CalHacks 3.0.

### Minimalist

[github.com/ellenluo/minimaList](https://github.com/ellenluo/minimaList)

Developed Android to-do application using Java, XML and SQLite in Android Studio. Allows users to organize tasks with lists/labels, due dates and details and stay on top of schedule with customizable reminders and widgets. Features a side navigation drawer, SQLite database and elegant material design.

### Screen Off

[github.com/Tyler-Zhang/ScreenOff](https://github.com/Tyler-Zhang/ScreenOff)

Built Android and web application designed to accurately track phone usage and share results with other users at MasseyHacks II, using mongoDB, Node.js, Java, XML, SQLite, JavaScript and Bootstrap. Features JSON parsing, background services and network syncing.

## activities + leadership

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### Pioneers in Engineering

September 2016 - Present

Collaborating with over 100 staff to host robotics competitions for local underserved high school students. Currently working on PCB design for smart sensors and serving as a Pioneers in Engineering representative for Supernode, a student-run hackerspace dedicated to providing accessible high-tech equipment to the UC Berkeley community.

### Institute of Electrical and Electronics Engineers

September 2016 – Present

Helping to promote professional awareness, encourage academic growth and organize networking opportunities within the EECS community.

### Computer Science Undergraduate Association

September 2016 – Present

Organization dedicated to support other undergraduate CS students and provide networking and professional development opportunities.

### Nor'West Optimist Soccer Club | Captain

May 2006 - August 2016

Led competitive regional soccer team. Supported teammates and assisted coaching staff.