# ELLEN LUO

## CONTACT

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## WORK EXPERIENCE

**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

**ANDROID |** Android Studio, SQLite, XML**,** Java

**WEB |** HTML, CSS, JavaScript, JQuery

**PROGRAMMING |** Python, Java

**ELECTRICAL |** CadSoft EAGLE PCB Design

**ADOBE |** Photoshop, Animator, ActionScript

**LANGUAGES |** English, French, Mandarin

## AWARDS

**2016**   Mary Louise Wyatt Award

**2016**   ECOO Team Programming Contest Provincial Finalist

**2016**   Canadian Senior Mathematics Competition National Honor Roll

**2015**   Alfred Raymond Trust Award (2013-2015)

**2015**   WOSSAA Varsity Soccer Champions

**2013**   Royal Conservatory of Music Grade 10 Piano (First Class Honors)

## EDUCATION

**UNIVERSITY OF CALIFORNIA, BERKELEY**
Electrical Engineering and Computer Science, BSc | Class of 2020

Relevant Coursework: The Structure and Interpretation of Computer Programs, General Chemistry, Calculus

**LONDON CENTRAL SECONDARY SCHOOL**
Ontario Secondary School Diploma | Class of 2016 | 4.0 GPA

## PROJECTS

**MINIMALIST**
github.com/ellenluo/minimaList
Android to-do application built using Java, XML and SQLite using Android Studio. Allows users to create tasks and organize them with lists/labels, due date and details. Features a side navigation drawer, customizable reminders, SQLite database, customizable widget, and elegant material design.

**SCREEN OFF**
github.com/Tyler-Zhang/ScreenOff
Android and web application built using mongoDB, Node.js, Java, XML, SQLite, JavaScript and Bootstrap with a team of four at MasseyHacks II. Allows groups of users to accurately track phone usage and screen on time and share results with others. Features JSON parsing, background services and network syncing.

## ACTIVITIES

**Pioneers in Engineering**
September 2016 - Present
Collaborating with over 100 staff to host a robotics competition 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
Member of UC Berkeley IEEE student branch, which promotes professional awareness and encourages academic growth.

**Computer Science Undergraduate Association**
September 2016 – Present
Member of Berkeley CSUA, which aims to support undergraduate CS students as well as provide networking and professional development opportunities.

**Canadian Student Association**
September 2016 - Present
Member of social committee in charge of planning professional and social events for networking.