

## education

### University of California, Berkeley

Electrical Engineering and Computer Science, BSc | Class of 2020

GPA: 4.0/4.0

### London Central Secondary School

Ontario Secondary School Diploma

FINAL AVERAGE: 98%

## skills

- Java
- Python/Django
- Android
- SQL
- HTML/CSS
- JS/jQuery/React

## awards

### Kraft Award for Freshmen

OCTOBER 2016

Attained highest scholastic records with a 4.0 first semester GPA.

### Mary Louise Wyatt Award

OCTOBER 2016

Second highest final average in graduating class.

### ECOO Programming Contest

APRIL 2016

Ranked provincially 26/500.

### Canadian Senior Mathematics Competition Honor Roll

JANUARY 2016

Approximate national rank of 100/7587.

### Certificate of Distinction

JAN 2013 - JUNE 2016

Received for excellence in Euclid, CSMC, Fermat, CIMC, Galois, Cayley and Pascal mathematics contests.

### Subject Awards

NOVEMBER 2014-2016

Grade 12 Physics and Computer Science; Grade 11 Functions, Chemistry, Computer Science and Physics; Grade 10 English, French, Industrial Design and Music.

### Alfred Raymond Trust Award

NOVEMBER 2013-2015

Top three in grade based on overall final average.

## experience

### Software Engineer Intern

MAY 2017 – AUG 2017

#### Kloudless

- Worked with backend tools such as Django Rest Framework and Celery Task Queue to integrate applications and features with the Kloudless Universal API.
- Completed projects include allowing real-time updates (Events API) for Google and Outlook Calendar, setting up payments library/models and API paywalls, integrating various Kloudless endpoints with Citrix ShareFile and building command line tools to manage developer accounts and keys.

### Undergraduate Student Instructor (Teaching Assistant)

AUG 2017 - PRESENT

#### UC Berkeley Computer Science Department

- Hired by EECS department as a teaching assistant for introductory computer science course (CS 61A).
- Lead weekly discussion and lab sections to solidify understanding of concepts such as tree recursion, object-oriented programming and relational programming.
- Review assignments, attend staff meetings and grade/proctor exams.

### Project Manager

JAN 2017 - PRESENT

#### CodeBase Technical Consulting Group

- Student organization that helps local high-growth startups bridge technical challenges.
- Currently leading project with ResultCare, a healthcare startup, to implement social network features with their Node.js backend and retrofit their mobile apps to reflect a new provided wireframe.
- Past projects include developing a React Native cross-platform mobile application for client Sutro, a hardware startup based in San Francisco.

### Director of Systems and Technology

JAN 2017 - PRESENT

#### The Berkeley Forum

- Student organization dedicated to organizing and hosting talks, panels, and debates for the UC Berkeley community.
- Train members of the Technology Division, build internal software tools, lead video and photo equipment setup for events, and edit live streams/recorded footage.
- Currently working on rebuilding the Forum website with a Django backend to store event/member data.

## projects

### Minimalist

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

- Android to-do application built with Java, XML and SQLite using 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.

### DreamPainter

[devpost.com/software/dreampainter](https://devpost.com/software/dreampainter)

- Gear VR app that allows users to view immersive photospheres and their painted images generated using a fast style transfer neural network implementation.
- Used C# to interface the Gear VR's touchpad controls.
- Developed using Unity game engine with a team of five at CalHacks 3.0.