ELLEN LUO

✉ ellen.luo@berkeley.edu
📞 510-816-1523
in linkedin.com/in/ellenluo
github.com/ellenluo
🌐 ellenluo.me

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

Course Tutor JUN 2017 - PRESENT
UC Berkeley Computer Science Department
- Hired by EECS department as a group tutor for introductory computer science course (CS 61A) summer session.
- Main responsibilities include leading three small-group mentoring sections twice a week to solidify understanding of Python, Scheme and SQL, and three weekly one-on-one tutoring sections for more in-depth conceptual guidance.
- Auxiliary duties include reviewing mentoring worksheets, attending staff meetings and grading/proctoring exams.

Project Manager JAN 2017 - PRESENT
CodeBase Technical Consulting Group
- Student organization that helps local high-growth startups bridge technical challenges.
- Currently contacting potential clients for project opportunities for the fall semester.
- 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.
- Responsibilities include training members of the Technology Division, building software tools for other Committees and Divisions, setting up video and photo equipment for events, and editing live stream/recorded footage.
- Currently working on rebuilding the Forum website with a Django backend to store event/member data.

projects

MinimaList
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
- Gear VR application 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 and used Python scripting to automate the image generation process.
- Developed using Unity game engine with a team of five at CalHacks 3.0.