ELLEN LUO

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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
- Android
- SQL
- HTML/CSS
- JS/jQuery/React.js

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

Cognitio   DEC 2016 - PRESENT
Chief Technical Officer | cognitio.live

- Lead technical pursuits of Cognitio, a recent web-based start-up offering academic resources and guidance for high school students in Ontario.
- Facilitated company transition to a user-generated note-sharing platform based on WordPress, PHP and CSS.

UC Berkeley Computer Science Department   JAN 2017 - PRESENT
Academic Intern

- Helping to provide office hours for introductory computer science course.
- Responsibilities include assisting students with homework, labs and projects, and helping students develop a strong foundation in Python, Scheme and SQLite.

CodeBase Technical Consulting Group   JAN 2017 - PRESENT
Technical Consultant

- Student organization that helps local high-growth startups bridge technical challenges.
- Currently working with Sutro, a hardware startup based in San Francisco, to develop a React Native cross-platform mobile application that allows users to monitor their pool chemistry, view pool analytics, and easily order materials.

Pioneers in Engineering   SEP 2016 – PRESENT
Smart Sensors Team

- Collaborating with over 100 staff to host robotics competitions for local underserved high school students.
- Currently working on PCB design and testing for smart sensors team.
- Club representative for Supernode, a student-run hackerspace.

The Berkeley Forum   JAN 2017 - PRESENT
Communications Committee

- Student organization dedicated to organizing and hosting talks, panels, and debates for the UC Berkeley community.
- Working with Communications Committee to market upcoming events and analyze ticketing/event data.

projects

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.

MinimaList
github.com/ellenluo/minimaList

- Android to-do application 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.