ELLEN LUO

contact

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skills

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

awards

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.

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 | Class of 2016
FINAL AVERAGE: 98%

relevant experience

Cognitio   DEC 2016 - PRESENT
Chief Technical Officer

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. Currently working on adding a rewards system for sharing notes and a site forum/message board.

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.

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 and serving as a club representative for Supernode, a student-run hackerspace.

Thames Valley District School Board   NOV 2014 - MAY 2015
OFIP Tutor

Tutored underprivileged students at Aberdeen Public School with a focus on mathematics, language and science. Helped students overcome learning barriers and develop transferable learning skills.

projects

DreamPainter
github.com/lawrencecheng123/DreamPainter-VR | devpost.com/software/dreampainter
Built 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
Developed 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.