LYNN ZHANG
SOFTWARE ENGINEER

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SUMMARY

I am a fourth year CS student looking for a 4 or 8 month work term starting August 2018, January 2019, or May 2019. I'm very interested in machine learning and web development, and I am always eager to explore something new to gain a better understanding of how the computing world fits together and evolves.

SKILLS

COMPUTER SKILLS: Java, C, C++, C#, SQL, Matlab, TypeScript, JavaScript, Unity, Arduino, Git

EDUCATION

University of British Columbia
B.Sc in Computer Science 2019

6 out of 8 academic terms completed. 2 out of 4 work terms completed/scheduled to be completed. Cumulative Average: 91%.

Courses: Numerical Computation, Relational Databases, Computer Graphics, Internet Computing, Algorithm Design, Machine Learning and Data Mining

EMPLOYMENT

MICROSOFT — Vancouver, BC
Garage Intern — May 2018 - Current

- Developing a mixed reality HoloLens application in Unity to enhance BC cancer research through a cutting edge and intuitive 3D genomic visualization tool. See this post: https://mcec.microsoft.ca/blog/vancouver-interns-brings-holograms-to-bc-cancer/
- Collaborating with the designer as the UX champion to implement all design assets into a companion WebApp to enhance researcher workflow
- Organizing weekly sponsor meetings with BC Cancer in a team of six to ensure project development aligns with client vision

UBC DEPARTMENT OF COMPUTER SCIENCE — Vancouver, BC
Teaching Assistant: CPSC 221, APSC 160 — Sept. 2017, Sept. 2016 - Dec. 2016

- Assisted professors in a data structures and algorithms course and an introductory engineering programming course to facilitate student learning by leading lab sections, holding office hours, designing labs, and monitoring discussion boards
- Supervised and graded labs and exams while providing detailed and instructional feedback
- Reviewed existing teaching strategies during weekly meetings with professors and suggested improvements to ensure fair and consistent marking

STATISTICS CANADA — Ottawa, ON
Co-op Student, Programmer Analyst — May 2017 - Aug. 2017

- Redesigned a references section for an outdated application that calculates Canada's property tax inflation rates
- Designed and implemented the user interface using C# and SQL, presenting demos frequently to the client to ensure satisfaction

PROJECTS

SMARTLOFT — March 2017 - April 2017

- Designed and built a model loft in a team of six that can be monitored and controlled by a smartphone application using Arduino and Raspberry Pi
- Implemented the control system that enabled the user to open and close windows, lights, and a door

AUTONOMOUS ROBOT — Feb. 2017 - March 2017

- Worked in a group of six to build a remote-controlled autonomous robot that self-calibrated to drive in a straight line and follow paths
- Designed the path follow function to maximize accuracy by testing various sensor placements and algorithms
- Organized and summarized our development and testing processes as the main contributor to the final project report

AWARDS

University of British Columbia · TREK EXCELLENCE SCHOLARSHIP FOR CONTINUING STUDENTS — Aug. 2017

Awarded to top 5% of students in each faculty. Years awarded: 2016, 2017 (all possible years).

University of British Columbia · LORNE MANNING HILL MEMORIAL SCHOLARSHIP — Aug. 2016

Awarded based on academic performance

BC Children's Hospital Research · CANUCKS FOR KIDS DIABETES SUMMER STUDENTSHIP — May 2016

Awarded to fund research on Type 1 Diabetes for Summer 2016