

Allen Lu

Edmonton, AB, T6G0J8 || (604)-788-6862 || aplu@ualberta.ca

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Heather Finn

STEMCELL Technologies

1618 Station Street

Vancouver, BC V6A 1B6

Re: Systems Co-op Student (8 months)

To Heather Finn,

As a passionate and fast-learning problem solver that is well-versed in software development tools and algorithm design and circuit technology, it is with great excitement that I have submitted my resume for consideration to become an 8-month systems development intern of STEMCELL Technologies Vancouver. As an efficient and vocal team-oriented developer I have experience in Android mobile application development, testing, and presentation in combination with a low-level understanding of computer architecture, C/C++, and operating systems design. I am prepared to contribute to your company's technological goals in developing scalable and effective automated tools while meeting any time constraints necessary to complete the task.

I am currently in 3rd year pursuing a degree in computing science with a specialization in software practice at the University of Alberta. My focus is on using and understanding software on multiple levels, computer architecture, operating systems, and the application of discrete mathematics in algorithm design. Please look at the following project examples from my resume, which outlines the competencies that I can leverage to further the goals of STEMCELL Technologies Vancouver.

- Designed, developed, and tested an elegant Mood-Tracking Android Studio mobile application in a team of 6 developers using Google maps and Firestore API.
- Created a crime-statistic program with SQLite3 embedded Python with a terminal interface that allows the user to generate graphs and data using Edmonton's crime data.
- Created a Linux shell in C++ which handles running executable files, cd, PWD, file output redirect, and background process execution.
- Created an LPT-Johnson CPU Scheduling performance evaluator by creating 400,000 random file instances with the GNU Plot Software

My resume provides further detail about the unique skill set and passion I can bring to your team. I truly believe that my experience in programming coupled with my low-level knowledge in databases and computer architecture will allow me to excel in the STEMCELL systems development environment. I hope we can schedule an appointment to talk, thank you for the consideration.

Sincerely,

Allen Lu