**Allen Lu**

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**December 31. 2019**

**Heather Finn**

**STEMCELL Technologies**

**1618 Station Street**

**Vancouver, BC V6A 1B6**

To Heather Finn,

As a passionate and fast-learning problem solver that is well-versed in software development tools and algorithm design, it is with great excitement that I have submitted my resume for consideration to become a systems development member of STEMCELL Technologies Vancouver. As an efficient and vocal team player in Android mobile application development in combination with a low-level understanding of computer architecture, low-level C/C++, and operating systems development, 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 take a look at the following project examples from but not limited to my resume, which outline one of many strengths I can leverage to further the goals of STEMCELL Technologies Vancouver.

* Designed, developed, and tested an elegant and efficient Mood-Tracking Android Studio mobile application in a team of 6 developers using Google maps and Firestore API’s.
* Created a simple crime-statistic program with SQLite3 embedded Python with a terminal interface that allows the user to generate graphs and data using Edmonton’s crime statistics 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 skillset and passion I can bring to your team. I truly believe that my experience in programming and understanding consumer needs will allow me to excel in the STEMCELL Technologies system developers’ environment. More importantly, with Vancouver as my hometown, my background and hometown provide a hand-in-glove financial fit for STEMCELL’s needs. I hope we can schedule an appointment to talk, thank you for the consideration.

Sincerely,

Allen Lu