

## **Allen Lu**

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**January 23, 2020**

**Lori Clifford**

**1941 Robertson Rd**

**Nepean**

**Ontario, K2H 5B7**

**Re: Software Co-op (8 months)**

To Lori Clifford,

As a passionate and fast-learning problem solver that is well-versed in developing mobile software applications and algorithm design, it is with great excitement that I have submitted my resume for consideration to be an 8-month software developer intern with General Dynamics Mission Systems-Canada. As an efficient and vocal team-oriented developer I am well-versed in Android mobile application front-end interface & back-end module prototyping, testing, and product presentation. I am excited about the opportunity to solve real-world problems in your organization alongside specialized experts. I am prepared to contribute to your company's technological goals in developing and optimizing software while performing any risk assessments, design evaluations, and database security tests to ensure quality and efficiency.

I am currently in 3<sup>rd</sup> 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, applying collaborative scrum and agile practices to software design and modification, database design, computer hardware components 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 General Dynamics Mission Systems-Canada.

- Designed, prototyped, modified, and tested an elegant and efficient Mood-Tracking Android Studio mobile application in a team of 6 developers using Java, Github, Maps/Firestore API
- Created a crime-statistic program with SQL/SQLite3 embedded Python with a terminal interface that allows the user to generate graphs and data using Edmonton's crime data
- Currently developing a custom Arduino lock for a powerlifting gym while listening to customer concerns and criticisms to create a reliable and secure lockbox
- Currently developing an all-in-one powerlifting application to test a user's one-rep-max, track their progress for every input, and compare their achievements to real federations

My resume provides further detail about the set and passion I can bring to your team. I truly believe that my experience in programming coupled with my willingness to learn and Canadian citizenship will allow me to excel in the General Dynamics Mission Systems-Canada software developers' environment. I hope we can schedule an appointment to talk, thank you for the consideration.

Sincerely,

Allen Lu