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January 31, 2020
Raegan Wiegand
902 11 Ave SW
Calgary
Alberta T2R 0E7
Re: Software Development Intern (8-16 months)

To Raegan Wiegand,

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 a 8-16 month software developer intern with Arcurve Inc, Calgary. I am a vocal team-oriented developer well-versed in Android mobile application front-end interface and back-end module prototyping, testing, and product presentation. I am excited about the opportunity to develop bar-setting innovative software products in your organization alongside specialized experts. I am prepared to contribute to your company's technological goals in developing features and optimizing software workflows while performing any risk assessments, design evaluations, and security tests to ensure quality and efficiency.

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, applying collaborative scrum and agile practices to software design and modification, database design, computer hardware components and the application of discrete mathematics. Please look at the following project examples from my resume, which outlines the competencies that I can leverage to further the goals of Arcurve Inc.

- Designed, prototyped, modified, and tested an elegant and efficient Mood-Tracking Android Studio mobile application in a team of 6 developers using Java, Github, Google maps, and Firestore API
  - Larger team size encouraged Scrum practices and agile principles
  - Tested with Robotium with automated TravisCI module testing
  - Extensive use of Firestore and google maps API to allow users to track emotions
- 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
  - Utilized MatPlotLib library to generate bar and pie charts to analyze query data
  - Uses Pandas and Folium to map crime statistics radius on google maps

My resume provides further detail about the skill set I can bring to your team. I truly believe that my experience in programming coupled with my willingness to learn new technologies will allow me to excel in the Arcurve software developers' environment. I hope we can schedule an appointment to talk, thank you for the consideration.

Sincerely,

Allen Lu