**Allen Peng Lu**

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Actively seeking a Computing Science Internship in Android App Development or General Software Development. My Ongoing personal projects with Android Studio and general programming background in multiple Languages will offer great insight and skill to any development team.

**Education**

* Computing Science, University of Alberta (Sept 2016 – Scheduled for April 2021)
  + Completed CMPUT 174 – Computational Foundations I
  + Completed CMPUT 175 – Computational Foundations II
  + Completed CMPUT 272 – Logic and Formal Systems
  + Completed CMPUT 204 – Algorithms I
  + Completed CMPUT 229 – Computer Organization and Architecture I
  + Completed CMPUT 291 – File and Database Management
  + Completed CMPUT 201 – Programming Methodology
  + Completed CMPUT 301 – Intro to Software Engineering
  + Completed CMPUT 379 – Intro to Operating Systems

**Personal Projects**

**Git handle: ApluUalberta**

**Weightlifting Android Studio Project (April 2019 – Present)**

Gravity – Android Mobile App

Github Link: <https://github.com/ApluUalberta/Gravity>

* Android Mobile Phone Application suited for Powerlifting-specific weightlifting
* Utilizes Google Firestore API to keep track of User Data, progress, and achievements
* Creates a game-like achievement system that compares User’s progress to real Powerlifting Federations
* Plots user work-out numbers on a line graph that can be found under the user’s profile
* Integrated 1-rep-max calculator that auto-updates the user’s achievements and progress

**Mood Tracker Android Studio Project (September 2019 – December 2019)**

Glo – Android Mobile App

Github Link: <https://github.com/CMPUT301F19T03/GroupProject1>

* Android Mobile Phone Application for Tracking a User’s Moods at a given time
* Utilizes Google Firestore API to keep track of User Moods, social situations, locations, and followers
* Allows users to follow, and approve follower requests to each other
* Utilizes Google Maps API to track User Mood locations on Google Maps

**Crime Statistics Database Program (March 2019 – April 2019)**

Crime Statistics UI - Edmonton Open Data Initiative

Github Link: <https://github.com/ApluUalberta/Crime-Statistics-Database-Program>

* Simple Command Line Interface that allows for 4 complex database queries on a given Database
* Embedded SQLITE3 Queries in Python to create a simple UI
* Imported Pandas and Folium Libraries to plot queried data onto graphs
* Menu Entry runs 1 of 4 Queries depending on user input
  + Each Require Additional input, such as year

**Skills and Qualifications**

* 9 Months of Python Programming Experience
* 4 Months of Java Experience
* 7 Months of Android Studio Experience
* 1 Year of C/C++ Programming experience
* 4 Months of SQL/Python database Programming

**Hobbies**

* Powerlifting, Drone Photography, RC Vehicle Modification, E-Commerce Entrepreneurship