**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**

**Online Ecommerce Management (Sept 2016-Present)**

Sole Proprietorship

Current Business: <https://uavbuddy.com/free-offer>

Successfully started 3 different *o*nline retail companies using $10,000 of Facebook Ads and Shopify/Clickfunnels Software Platforms

* Successfully converted 1000 potential customers into a profitable business through email marketing of electronic, affiliate, and physical products
* Created over 20 Landing pages with profitable ad copy, offers, and formatting
* Currently creating profitable Email Templates to successfully profit from over a Thousand Potential Customers

**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

**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

**LPT-Johnson Scheduling Program (September 2019 – December 2019)**

File Instance Generator and Average Plotter

Github Link: <https://github.com/ApluUalberta/LPT-Johnson-Scheduler>

* Takes in files (-i argument) or generates 400,000 Random File instances (-r argument) with Specific format
* Schedules specified number of Jobs with a specified size and number of machines using LPT and Johnson Algorithms to read the instance files
* Takes the Average Ratios of Processing Time of specified file groups for the given algorithms and Plots them on 2d, and 3d graphs using GNU Plot

**Skills and Qualifications**

* 9 Months of Python Programming Experience
* 4 Months of Java Experience
* 7 Months of Android Studio Experience
* 1 Year of C Programming experience
* 4 Months of Mips Assembly Programming
* 4 Months of SQL/Python database Programming
* 2 Months Lumber Sales Associate at Home Depot
* 2 Months Shipping and Receiving at Raute Canada
* 2-year Coach of Highschool Grade 8/9 Volleyball
* 1 year Assistant Coach of Highschool Grade 10 Basketball

**Hobbies**

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