**Allen Peng Lu**

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Self motivated computing science student skilled in building and maintaining mobile applications while meeting stringent time constraints. Well-versed in various algorithm design paradigms using discrete mathematics. Experienced in online Ecommerce business management and advertising with email marketing, Facebook ads manager, and creating compelling ad copies.

**Core Competencies**

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| * Python | * Java | * Android Studio |
| * Office | * Excel | * SQL/SQLite 3 |

**Education**

* Computing Science – Minor in Business, 3rd Year, University of Alberta (Sept 2016 – Scheduled for April 2021)

**Personal Projects**

**Git handle: ApluUalberta**

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

Glo – Android Mobile App

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

* Programmed in Java, tracks a user’s emotional state and allows them to follow friends
* A collaboration of 6 group members using Github pull requests and SCRUM to encourage collaboration
* Google Maps and Firestore API to keep track of user data (moods, times, dates, reasons, and location)
* Extensive front-end unit testing to test and improve UI design and troubleshoot module bugs
* Weekly scrum meetings with agile principles in mind, remote communication with discord, and extensive UML re-versioning and documentation revisioning
* Required a presentation demo in front of 50 non-technical audience members

**E-Commerce business Sole Proprietorship (May 2019 – Present)**

UAV Buddy – Clickfunnels and Mailchimp email marketing business model

Site link: <http://uavbuddy.com/hand-book-guide>

* Building relationships and provide consulting and photography advice to over 1000 passionate drone pilots
* Over $1,500 spent in Facebook advertisement in acquiring passionate customers
  + Extensive planning for engaging customers in the drone photography niche
* Creating compelling ad copies to market original E-Book products
* Continuous statistical research to understand consumer desires, needs, and requests

**Arduino Powerlifting Lock Box (December 2019 – Present)**

Chalk Bowl Locking Mechanism – Arduino Uno

* Programmed Arduino Project to make a Weightlifting Chalk bowl lockable
* 4-digit keypad verification password Solenoid Door lock mechanism with a 6V Relay
* Secured in a locked Plywood container, attached to a hinge and a lid.
* Satisfying customer concerns by continuous prototype iterations to assess market validation

**Hobbies**

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