# Allen Peng Lu

**11120 76 Ave NW** Edmonton, AB. T6G 0J8 || Phone:  604-788-6862 || E-mail:  aplu@ualberta.ca

LinkedIn: https://www.linkedin.com/in/allen-lu-219115195/

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, 3$^{rd}$ 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
  o 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