

Allen Peng Lu

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Actively seeking a Computing Science internship with a focus on collaborative teamwork to design scalable and efficient products and services in a larger scale computing environment. Possesses the skills and knowledge to program on distributed systems as well as simulate file system storage using C++.

Skills and Qualifications

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|-------------------|-----------------------|-------------------------------|
| • Python | • Android Studio/Java | • C/C++ |
| • Python SQLite 3 | • Mips Assembly | • Excel Predictive Simulation |

Education

- Computing Science, 3rd Year, University of Alberta (Sept 2016 – Scheduled for April 2020)

Personal Projects

MoodTracker Android Studio Project (September 2019 – December 2019)

Glo – Android Mobile App

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

- Programmed in Java
- Android Mobile Application to track a User's moods
- Utilizes Google Firestore to keep track of User Mood History, specific mood reasons, social situations, reasons, and locations
- Allows user profiles to interact with other users to request and approve followers
- Uses Google Maps API to display moods on a map, as well as a map for a followed user's most recent mood.

LPT-Johnson Scheduling C 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)
- Schedules specified number of Jobs with a specified size using LPT and Johnson Scheduling
- Calculates Average Ratios of Processing Time of file groups and Plots them on 2d, and 3d graphs

Hobbies

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

Allen Lu

To Mark Madsen,

If you are looking for an enthusiastic problem solver that is well-versed in software development tools and algorithm design at AGiLE ANiMAL INC, I believe I am a strong candidate for the position. As an efficient and vocal team player in Android mobile application development, I am prepared to contribute to your company's technological goals in developing scalable and effective web/mobile APIs while meeting any time constraints necessary to complete the task.

My current degree is in computing science with a specialization in software practice at the University of Alberta where the focus is on using and understanding software, computer architecture, operating systems, and the application of discrete mathematics in algorithm design. My specialization requires the ability to understand how to develop software in a team, while understanding how software communicates with the computer's operating system and architecture. From developing Linux shells to developing Android mobile applications in an efficient and timely matter, I excel at prioritizing tasks as a team member and individual, presenting design ideas, and communicating effectively with peers and management teams.

Additionally, one of my personal hobbies is Arduino programming that focusses on developing reliable hardware for powerlifting gyms in which consumer concerns and troubles are heard and implemented in newer versions of the product. With my passion in delivering reliable products for public use, I truly believe that my experience in programming and understanding consumer needs will allow me to excel in the AGiLE ANiMAL INC development environment. I will truly learn from industry-seasoned developers in hyper-productive environments in order to become an asset for your team.

I look forward to meeting with you to further discuss how my skills and experience as an intern would match Amazon's technological goals. I hope we can schedule an appointment to talk, the best phone number to reach me is (604)-788-6862 or my email at aplu@ualberta.ca. Thank you for the consideration.

Sincerely,

Allen Lu