

# Andrew Liang

Software Developer



[github.com/liangdrew](https://github.com/liangdrew)



[ca.linkedin.com/in/liangdrew](https://ca.linkedin.com/in/liangdrew)



[liangdrew@gmail.com](mailto:liangdrew@gmail.com)



[liangdrew.com](http://liangdrew.com)

## Summary of Qualifications

- Strong enthusiasm for mobile applications based on experience in Android development.
- Other interests include UX / UI design, game development, and web development.
- Eager to learn new development tools, languages and design practices to broaden my abilities as a developer

## Projects

**Glide** – (Java, XML, Android Studio)

*July 2015 – January 2016*

Mobile arcade game for Android based on glider mechanics. Led a team in building from the ground up towards publication while practicing proper object-oriented and Android design.

**Labyrinth** – (C, Tiva LaunchPad, Orbit BoosterPack)

*November 2015*

Maze game for the Orbit BoosterPack. Implemented Prim's algorithm in C to randomly generate unique mazes.

**C60** – (PebbleJS, jQuery, HTML, CSS, Firebase)

*Hack the North, September 2015*

Real-time networking Pebble app which enables users to quickly share contact details with other nearby users. Responsible for designing and implementing the user interface using PebbleJS.

**Buzz In** – (Python, Pygame, Makey Makey)

*December 2014*

Pygame app which allows a game master to detect who "buzzes in" first. Designed for team trivia games, such as *Reach for the Top*, using a custom-built circuit board system.

## Honours and Awards

**President's Scholarship of Distinction**

University of Waterloo (May 2015)

Awarded to students who have achieved an admission average of 95% or greater

## Skills

- **Languages:** C/C++, Python, Java, XML, HTML, CSS
- **Frameworks:** Android SDK, Pygame, PebbleJS
- **Tools:** Android Studio, CloudPebble, Git, Sketch
- **Other:** Object-oriented programming, UX design

## Experience

**Technical Editor, Webmaster**

**Molecular Physiology**

December 2015 - Current

- Use HTML and CSS to maintain and edit *molphysiology.com*, a news journal which publishes news articles in the field of physiology

**Lifeguard, Swim Instructor**

**YMCA of Greater Toronto**

September 2013 - August 2015

- Gained teamwork and communication skills from working in a lifeguard team
- Developed sense of time management and initiative from creating lesson plans and submitting reports

## Education

**University of Waterloo (Waterloo, ON)**

Candidate for Bachelor of Software Engineering

## Interests and Activities

- Hacking, solving puzzles (e.g. Sudoku, crosswords)
- Graphical design
- Classical music, opera, theatre