TONY LIANG

SOFTWARE ENGINEERING

WEBSITE: t-tonyliang.github.io

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SKILLS

- Various degrees of experience in **Java**, **C**, **HTML**, **CSS** and academic experience in **C++**.
- Competent in Object-Oriented Programming in **Java**
- Experience in web development using **HTML** and **CSS**
- Experience in programming Android apps as well as for Arduino boards
- Knowledge in various data structures: linked lists, binary trees, stacks, queues and arrays
- Interest to learn and ability to learn fast with the use of available online and human resources

PROJECTS

Personal Website – Web Development　　　　　　　Jan. 2015 - Ongoing

My personal website that features details about my skills, experience and projects. Created with **HTML**, **CSS** and the Bootstrap framework.

Circles – Android Application　　　　　　　Nov. 2015 - Ongoing

Developed an infinite game for Hack Western II while learning Android. This application incorporates my previous knowledge in OOP, **Java**, as well as working knowledge in **XML.**

Orbit Game – Arduino　　　　　　　Oct. – Dec 2015

Developed a dodging game on the Launchpad with the Orbit Booster Pack extension for SE 101. Programmed in **C**, this game use board components: accelerometer, switches and buttons.

Land Battle Chess – Java, Object Oriented Programming　　　　　　　Oct. 2014 – Apr. 2015

Computerized a version of the Chinese board game for the IB CS internal assessment. Programmed using the OOP model, **Java** and applies linked lists and stacks. This project also includes documented development process and code.

PART-TIME

Summer Camp Coordinator, Markham Free Methodist Church　　　May 2015 – Aug. 2015

Kumon Assistant Tutor, Bayview-York Mills Kumon, Toronto　　　Jun. 2014 – Jan. 2015

EDUCATION

Candidate for Bachelors of Software Engineering, Class of 2020　　　Sep. 2015 – Present

University of Waterloo, Waterloo, Ontario

Courses: Software Engineering, Programming Principles, Data Abstraction & Implementation

International Baccalaureate Programme (IB), High School Diploma　　　Sep. 2009 - May 2015

Victoria Park Collegiate Institute, North York, Ontario