

# Anthony Luu

Computer Engineering 2B

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## Skills

**Languages/Frameworks:** Java, C#, C++, JS, HTML5, CSS3, Angular, Ionic, Node, React, Unity3D  
**Tools:** Bower, Grunt, MySQL, MongoDB, SVN, Git, Mercurial, Jira, Sketch, Eclipse, Android Studio, Visual Studio, MonoDevelop

## Experience

### Nexj Systems - Software Engineering Coop

*Toronto, May 2015 - Aug 2015*

**Tools Used:** JS, Less, Nodejs, Vagrant, Kibana, MongoDB, Mercurial, REST

- Developed new features for the RESTful health wellness app
- Worked very closely to client requirements to create an authoring tool where an admin can build health assessment forms for patients to better understand their well-being
- Enhanced older features of the app while adding responsive design for desktop and mobile

### Genesys - Front End JavaScript Intern

*Markham, Sept 2014 - Dec 2014*

**Tools Used:** JS, Less, HTML5, Node, Angular, MongoDB, Bower, Grunt, Jekyll, Mercurial, REST

- Lead role in designing and developing the code architecture in a project
- Worked on both frontend and backend for multiple projects under the SCRUM model
- Built new AngularJS modules for the Genesys common UI framework used by other Genesys apps

## Side Projects/Github

### Turn Based Strategy Game - Game (using Unity Game Engine)

- Classic turn based strategy game using the Unity Engine (in early development)
- Path finding algorithm for AI enemies to find the nearest player, then move to attack that player
- Map generated with cellular automata using a pseudo random string. Algorithm to connect rooms

### AndroidWearLift - Android Library

- Android library that aims to improve the workouts of Android Wear users
- Uses state machines and various sensor data to calculate workout reps
- Supported exercises include shoulder flies and bicep curls

## Education

### University of Waterloo - BAsC in Computer Engineering

- **Relevant Courses:** Embedded Systems, Data Structures and Algorithms, Digital Computers, Operating Systems, Microprocessors, Intro to Programming in C#
- **Hackathons:** Communitex 24hr Startup 2014, WearHacks 2015, BattleHacks 2015