

# Zuqi Li

3A Software Engineering | <http://zuqi.li> | <https://github.com/zuqini> | [zq6li@uwaterloo.ca](mailto:zq6li@uwaterloo.ca)

## Skills

### Languages:

JavaScript, Java, C/C++,  
Jade (HTML), Less (CSS),  
Python, Bash, SQL

### Web:

Node.js, Express,  
AngularJS, JQuery,  
Underscore, D3.js,  
Highcharts, Bootstrap,  
Spring Framework

### Mobile:

Android, Cocos2d-X

### Database:

MySQL, PostgreSQL,  
MongoDB, JDBC  
Hibernate ORM, Liquibase

### Tools:

Git, SVN, Maven, Grunt,  
Eclipse, Android Studio,  
Visual Studio, Vim

## Education

### University of Waterloo

Candidate for Bachelor of  
Software Engineering  
Sept. 2013 - Present

### Awards:

Dean's Honours List

## Interests

Hackathons  
Guitar/Piano  
Skiing  
Hiking  
Gaming

## Experiences

### Mobile Developer | WeMesh

September 2015 – December 2015

Kitchener, ON

- Implemented automatic and manual video **quality selection**; reduced initial video load-time on poor networks by **3 seconds** on average
- Redesigned the **REST** client architecture for better **efficiency** and **scalability**
- Implemented first-time-user-experience **orientation carousel** and **pop-up hints**
- Improved the **VoIP quality** and **video-syncing precision** across devices

### Java Intermediate Developer | Martello Technologies

January 2015 – April 2015

Ottawa, ON

- Developed **network monitoring** for SIP trunk traffic to enable performance and error reporting on SIP trunking devices
- Implemented a feature to **analyze** and **report** voice quality data; detects VoIP failures with **100%** certainty
- Implemented an **account recovery** system using modern **cryptography**
- Redesigned various **performance reporting UI** for better representations of data

### Design Engineer | Nakina Systems

May 2014 – August 2014

Ottawa, ON

- Delivered a **SOAP** web service for managing client users and groups
- Implemented a **customizable** password policy system to improve security by enforcing strong passwords
- Implemented **algorithms** to generate complex passwords for users based on the customized password policy
- Added various **installation** and **removal** scripts for the administration console

## Projects

### Terre

February 2015 – Present

A physics simulation of star systems for iOS and Android.  
Simulates realistic gravitational pull and dynamic lighting effects.

**C++, Cocos2d-X Framework**

### VReq

November 2014

A client-side web application that creates graph representations of pre-requisites of any course at the University of Waterloo.

**D3.js, JQuery, Waterloo Open Data API**

### Simple.Click.Search.

August 2014

A Google Chrome Extension that conducts search queries to various search engines using clicked or highlighted text.

**JQuery, Chrome Platform API**