



# Yilun Song (Kenneth)

Software Engineering

## TECHNICAL SKILLS

### Programming Language

- HTML5/CSS/JavaScript
- Java
- Python & Perl
- MySQL
- C

### Experienced Areas

- Web applications
- Cross-platform mobile App
- Android mobile App
- Scripts and Tests
- GUI development

### Libraries & Utilities

- JQuery
- Bootstrap
- GWT
- ReactJS
- React Native
- Websocket

## EDUCATION

University of British Columbia

Date of graduation: May, 2017

**Bachelor of Applied Science – Software Engineering**

Overall GPA: 3.95/4.33 ( A )

## CO-OP WORK EXPERIENCE

Cumul8 Technologies Inc.

May, 2015 – December, 2015

**Front End Developer (Data Visualization, ReactJS, React Native, Html, Css)**

- Built complex **data visualization** related web components using **React** and **Flux**
- Added real time updating feature using **Websocket**
- Fixed bugs on the back end side written in **Go** language
- Built front-end screens for a mobile app using **React Native**

Broadcom Corporation

August, 2014 – April, 2015

**Test Script Developer & Engineering Testing Assurance (Tcl, Perl, Git)**

- Developed **automated test scripts** for nightly regression tests to have the requirements of our products automatically tested
- Run and Reported nightly regression test results in a daily basis to report software bugs to the development team
- Developed scripting tools to automatically parse our test results with no manual efforts
- Learned new language Tcl and Perl to be able to write automated test scripts independently

UBC ECE– Cisco LLFI fault injection tool

May, 2014 – August, 2014

**GUI Developer (JAVA, Python, & C++)**

- Expanded features on the GUI tool using **JavaFX** to make it simple and easy to use ([Demo Link](#))
- Developed and edited existing scripts of the LLFI tool to support more features
- Added informative instructions and notifications in the GUI to make the product user-friendly
- Developed scripts in Python to automate some duplicated work

AutoNavi Software Co., Ltd.

July, 2013 – September, 2013

**Quality Assurance (C, C++)**

- Designed and programmed a simple server that receives commands from users and sends back results to the client side
- Designed a program that parsed the online log files to extract user information with encrypting and decrypting techniques
- Debugged and tested the programs using gcc, g++, gdb, and valgrind
- Cooperated and communicated effectively with other team members; worked independently under minimal guidance

## TECHNICAL PROJECTS

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### UBC LLFI Web Service – Personal Project September, 2016 – Present Full Stack Developer (React, JQuery, NodeJS)

- Building a web application using **React** from scratch for a UBC research project LLFI
- Designed the architecture of the application in a modular way and followed RESTful API standards
- Implementing the **back-end** server that executes scripts for front-end requests using **NodeJS**

### Reach Social Mobile App – School Project & Contract Project September, 2016 – Present Mobile App Developer (React Native, Android & iOS)

- Building a **cross-platform** app from scratch for a start-up company using **React Native** that provides the ability to do different class activities for students
- Designing the **UI/UX** for the app
- Developing key features of the app, e.g. file upload/sharing, group conversation thread
- Initialize team work with other team members and make sure the product can be delivered on time

### Website Development – Personal Project July, 2016 – August, 2016 Front End Developer (React, Bootstrap, JQuery, Html, Css, Js)

- Built and designed my portfolio website with React (Link: <http://syltaxue.com>)
- Built a website for a BC registered non-profit organization (Link: <http://lovecaravan.ca>)
- Gained experience on the full life cycle of website development and hosting

### Security Camera Android App – School Project March, 2013 – May, 2013 Android Developer (Java)

- Designed a security camera **android app** that is able to control a remote RaspberryPi camera through Wi-Fi network as well as streaming the video from the camera
- Designed the UI of the app, analyzed the users habits about how they want to use the app, taking care of the relationship between each activity
- Implemented and designed the XML file of each activity page
- Initiated team activities, helped the team to allocate the workload, and ensured the delivery of the project

## AWARDS

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**Work Learn International Undergraduate Research Award** – awarded to 5 2014  
international students at UBC each year (same as NSERC).

**UBC Engineering Dean's Honor List** – for students with a GPA of at least A- 2011 – 2016  
each year

## ACTIVITIES AND INTERESTS

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- Passionate and enthusiastic about programming. I transferred from Electrical Engineering to Computer Engineering after I found my passion in programming.
- Interested in big data and cloud computing areas (data mining, machine learning, and data visualizations). I think there will be tons of smart devices and apps that will provide personalized service in the future.
- I am a fast learner, I taught myself a lot of programming languages, and learned many new languages in my previous work. I can quickly catch up the required technical skills that I do not have or the ones that I have not touched for a long time.