




EDWARD LI

✉ chengyang.li@uwaterloo.ca ·  github.com/LuKuuu ·  chengyang-li.com ·  [Chengyang Li](#)

QUALIFICATIONS

- Languages: Java, Go, C/C++, SQL, HTML, CSS, JavaScript/TypeScript, XML, Python, LaTeX
- Technologies: MySQL, Android SDK, TensorFlow, Java Swing, JSON, jQuery, Bootstrap
- Tools: Linux • Windows, Vim, Git, Gerrit, Jira, Android Studio, PhotoShop, MS Office Suite

EXPERIENCE

Android Developer Intern

January, 2019 – April, 2019

BlackBerry · Hub⁺ Suite Team

Kanata, Ontario, Canada

- Fixed 30+ Jira issues and added new features for Blackberry Hub and Blackberry Hub⁺ Services
- Designed and implemented a feature for user to insert, edit and remove hyperlink while composing an email
- Added opacity option for hub widget so that users can set how transparent they are
- Decompiled dialers of several phone brands and scraped call logs from notifications they post
- Investigated and updated SDK of Blackberry Hub and Blackberry Hub⁺ Services to Android Q

Software Engineering Intern

April, 2018 – July, 2018

Wuhan Jiayou Information Technology Co., Ltd.

Wuhan, Hubei, China

- Designed and developed a Dynamic Domain Name Server in Go, which can monitor client inactivity
- Utilized MySQL database and dynamically allocate domain resources accordingly
- Created visualization for real-time domain resource usage with HTML and JavaScript
- Built a DNS server which can return the IP address from which the client logged in, when entering the subdomain created by the username, to allow clients websites to have more tracking capability
- Collaborated within the Go Development team to build a DDOS Attack Defence System
- Created a tool for the operation team which can parse the information of attackers in the format of CSV to the blacklist

PROJECTS

- **Handwriting Recognition**, trained a neural network with MNIST, and used it to build a web application to identify handwriting numbers May, 2019
- **ECE 150**, completed projects and assignments with C++ in programming course September, 2018
- **Kun**, a machine learning library written in Go which has functions for matrix calculation, linear regression, logistic regression, forward propagation and backward propagation of neural network August, 2018
- **Chengyang-li.com**, my personal website built in HTML, CSS, JavaScript, and Bootstrap May, 2018
- **Calendar Capture**, collaborated with other members in a team in The Side Project Club to build an Android APP that can help users add events on the calendar by taking a photo of a poster. Responsible for the development of the algorithm to add events to Google Calendar February, 2018
- **Ball Collision Demo**, a GUI demo of collisions between balls build with Java Swing December, 2017

EDUCATION

University of Waterloo, Waterloo, ON

September, 2018 – Present

B.A.S in Computer Engineering, 82% MAV

INTERESTS

- Machine Learning: Currently taking the machine learning course presented by Andrew Ng on Coursera