

# EDWARD LI

1A Computer Engineering | University of Waterloo | student No. 20701093

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## 🔧 QUALIFICATIONS

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- Languages: Go, Java, C/C++, SQL, HTML, CSS, JavaScript, XML, Python, LaTeX
- Technologies: MySQL, SQL Server, Java Swing, JSON, jQuery, Bootstrap
- Tools: Linux • Windows, Git, Eclipse, JetBrains IDEs, Android Studio, PhotoShop, MS Office Suite

## 🚀 EXPERIENCE

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### Software Engineering Intern

April, 2018 – July, 2018

Wuhan Jiayou Information Technology Co., Ltd.

Wuhan, China

#### Dynamic Domain Name Server Project:

- Designed and developed a DDNS 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

#### DDOS Attack Defence System Project:

- Collaborated within the Go Development team to build a network security project
- Developed a DNS cache server to translate subdomains to IP addresses
- Wrote an image cache as a part of CDN on the defence system
- Created a tool for the operation team which can transfer the information of attackers in the format of CSV to the blacklist, to prevent secure threads

## ⚙️ PROJECTS

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- **Color Maze**, an Android Game that help the player to kill time. The player can find a route to get out of the maze by following the green path on the screen. November, 2018
- **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

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University of Waterloo, Waterloo, ON

September, 2017 – Present

B.AS in Computer Engineering, 84% MAV

## 🍃 INTERESTS

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