

# Eric Li

<http://erichaominli.com>  
h439li@uwaterloo.ca | 647.818.1298

## EDUCATION

### UNIVERSITY OF WATERLOO

#### 4A IN COMPUTER SCIENCE

Expected graduate in April 2020 |  
Waterloo, ON

## LINKS

Github:// [EricHaomin](#)  
LinkedIn:// [Eric Li](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms  
Data structures  
Network  
Database Management  
Object Oriented Programming  
Numerical Computing  
User Interface Design  
Operating System  
Applied Cryptography  
Machine Learning  
Artificial Intelligence

## SKILLS

### PROGRAMMING

• Python • JAVA • C++ • SQL • JavaScript  
• JQuery • Shell • Matlab • Perl • C#  
• Swift • HTML5 • CSS3

### FRAMEWORKS

• React • Restful API • ASP.NET  
• AWT • Spring

### TOOKITS

• Git • Vim • Docker • AWS  
• Gradle • Jira

### IDES

• Pycharm • IntelliJ • Visual Studio  
• Xcode • Android Studio

### SYSTEMS

• Ubuntu i3 • MACOS • Windows  
• Android

## TARGETS

Data Engineer

Algorithm Developer

Big Data Developer

Backend Developer

## EXPERIENCE

### TOUR EAST HOLIDAYS | APPLICATION DEVELOPER INTERN

Toronto, Canada | Spring 2017

- Worked at technical innovation team to provide flight lookup service using sorting algorithm. (C++)
- Developed Windows application project - Document Dispatch Associates. The project was cooperated with Expedia Customer Service department, which is used to automatically email clients from designated client database their booking information and updates of their itinerary details. (Java, JDBC, SQL, Selenium, MVC)
- Shorten the average email sending time from 2 minutes per email to 15 seconds per email which was impressed by Expedia Customer Service VP.

### INSTACART | AUTOMATION DEVELOPER INTERN

Toronto, Canada | Winter 2018

- Automated test cases for online checkout web pages and increased efficiency of Quality Assurance team by 80% (Python, Selenium, RobotFramework)
- Perform Regression test cycles daily and functional test cycles weekly (Jira)
- Improve ecommerce platform's performance and increase company's revenue by issued 50+ new test cases, logged 150+ backend, frontend and data defect tickets. (Jira)

### ADP, LLC | FULL STACK SOFTWARE DEVELOPER INTERN

Mississauga, Canada | Fall 2018

- Re-factored a framework on Teampay dashboard Pagination which allows synchronous call and pulling 50 companies data from the company database to web page dashboard at a scroll (Java, Javascript, JQuery, React)
- Wrote a script to analyze and format 330,000 lines of data dump, which also provides a template for company to categorize similar structured data. (Perl)
- Implementing Deletion Restoration scheduling tool which allows server to delete and restore users in a non-busy period and reduced server load by 30% (HTML, Java, JDBC, SQL)

## PROJECTS

### NETWORK GO-BACK-N PROTOCOL IMPLEMENTATION

Java, Java.net, Java.io.byteBuffer

Implemented Go-Back-N protocol on transport layer including sender and receiver applications, which could be used to securely transfer a text file from one host to another across an unreliable network using UDP. The protocol handles network errors such as packet loss and duplicate packets.

### FOTAG MOBILE ANDROID

Java, Android studio Gradle 4.4, Android Plugin 3.1.3, Compile Sdk API 28

Fotag Mobile is an interactive mobile application that allows users to store there private images in a dynamic layout that responds to device orientation. Users can rate images (1-5), and filter them based on this rating.

## AWARDS

2014	Second Place 50/5000	Provincial Chemistry Olympiad Competition
2015	\$2000 CAD	President's Entrance Scholarship of Distinction
2016	\$1000 CAD	President Research Scholarship
2016	\$1000 CAD	International Foreign Experience Awards