

# Chufeng(Chris) Liang

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## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELORS OF HONOURS

COMPUTER SCIENCE (CO-OP)

Sept. 2016 - April. 2021 | Waterloo, ON

## COURSEWORK

### UNDERGRADUATE

- Network
- Distributed System
- Data Structure & Algorithm
- Database
- User Interface
- Object-Oriented Programming

## SKILLS

### Languages

- Python, C/C++, C#, Java

### Web

- HTML, CSS, JavaScript, TypeScript
- jQuery, AngularJS, Angular, Spring Boot

### Database

- HeidiSQL, PostgreSQL

## AWARDS

- President's Entrance Scholarship (September 2016)
- Certificate of Distinction in Euclid Mathematics Contest (May 2016)
- Certificate of Distinction in Fermat Mathematics Contest (May 2015)

## LINKS

Github: [chrispyliang](#)

LinkedIn: [Chris Liang](#)

Personal Page: [chrispyliang.com](#)

## SUMMARY OF QUALIFICATIONS

- Experience in **Object-Oriented Programming** with **Python** and **Java**
- Familiar with **Agile** Development Methodology; capable of finishing tasks in strict deadlines
- Proficient in building front-end web sites/apps with **Angular 6** and **AngularJS**
- Highly experienced in building back-end web apps with **Java Spring Boot**
- Excellent oral and written communication skills

## EXPERIENCE

### LOTALTYONE / PRECIMA | WEB DEVELOPER (CO-OP)

Jan 2019 - Apr 2019 | Sep 2019 - Dec 2019 | Toronto, ON

- Involved in software development and product design for next generation LoyaltyOne products
- Redesigned the **database schema** of Precima User Management tool to manage users from multiple clients in one place.
- Created a bootstrap service which automatically updates **Auth0** roles and permissions with **Java Spring Boot** when server starts
- Implemented pagination for Precima Suite selection box using **Spring Data Pageable** and significantly reduced latency in page initialization
- Migrated the original Precima Pricing project with new components and services to use **Angular 6** and **Qlik Sense**
- Adapted Precima Suite to different languages and technical requirements of a client-specific locale with **angular-i18n**

### OLAP VISION / XCELERATE | SOFTWARE DEVELOPER (CO-OP)

May 2018 - August 2018 | North York, ON

- Designed and implemented a front-end table template to display and edit data.
- Improved Audit History data-filtering with **AngularJS**, **C#**, and **SQL**
- Migrated several **ASP.NET** web pages to **AngularJS**
- Developed **Jenkins Pipeline** to replace hard-coded Jenkins builds. Configured Bitbucket with Jenkins to run unit tests when committing to a branch

### 360 EDUCATION LABS INC / YUJA | QUALITY ASSURANCE (CO-OP)

September 2017 - December 2017 | North York, ON

- Configured Eclipse with **Selenium WebDriver** and **TestNG**. Created the first **automated tests** with **Java** and **XML** to test the YuJa portal
- Tested YuJa **REST APIs** using **Postman** and **HeidiSQL**; created an API documentation together with a team member
- Implemented a **multi-threaded** YuJa REST API client application as a part of the functional specification.

## SIDE PROJECTS

### PDF READER | A MOBILE PDF EDITOR

- Built with **Java FX** using **Canvas** and **Event-Driven Architecture**
- A mobile application which can view, scroll, draw, and zoom in/out PDF files. Implemented features for users to undo/redo actions and save changes of a PDF file.