

# Yaxi Yu (Chloe)

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## TECHNICAL SKILLS

- Programming Languages: Java, Python, SQL, C, C++, HTML  
Operation System: Windows 10, Windows 7, Linux Ubuntu  
Software Applications: Virtual Box, IntelliJ IDEA, Git, JIRA, Apache Tika, Bazel, Invision, Sketch, Eclipse Oxygen, QT creator, Latex, Visual Studio, MS Office  
Other Abilities: Quick learner, Open to new concepts, Self-motivated, able to work with little direction, Great Mathematical ability and problem-solving skills.

## WORK EXPERIENCE

### IBM Chief Data Office, Software Developer Coop

Sep – Dec 2017

- Worked in an agile development team to implement solutions using containers and microservices as a java developer.
- Worked on providing text extraction and optical character recognition services in a cognitive pipeline with Apache Tika.
- Established a pattern of pulling data from one RDBMS to another using Oozie workflow and Sqoop action.

### Uvic Advancement Services, Data Analytics Programmer Coop

Jan 2018 – Present

- Implemented and maintained python programs that are used for predictive analysis and data visualization.

## EDUCATION

### University of Victoria, Victoria, BC, Canada

Sep 2014 – Present

- Bachelor of Science, Computer Science (Software Engineering Option)

## PROJECTS

### IOS App 'VTutor' Prototype Design

July 2017 – Aug 2017

- Developed personas, scenarios, usability goals, and use cases to design a high-fidelity prototype of a mobile tutoring app.

### Reliable Datagram Protocol

Mar 2017 – Apr 2017

- Designed a reliable datagram protocol in C using socket API with UDP and achieved the transformation of an any-size file through a router.

### Sudoku Puzzles Solving Project

Apr 2017

- Implemented a python command line program to solve 9X9 and 4X4 puzzles under Linux programming environment using miniSAT.

### Java Maze Algorithm

Aug 2016

- Designed a java command line program to solve mazes and count the number of solutions using recursive backtracking method and java bitwise operators.

### Image Draw Framework

Apr 2016

- Planed, coded in python to develop an image processor for generating two-dimensional line drawings using the classic computer graphic operations and created a user manual allowing non-programming users to generate 2D line drawings.

### Cosmetics Shopping Site

Oct 2014 – Dec 2014

- Designed a mobile-friendly cosmetics shopping website with various product pages and multimedia contents.