

Yaxi Yu (Chloe)

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TECHNICAL SKILLS

- Programming Languages:** Java, Python, SQL, C, C++, HTML, CSS, JavaScript
- Operation System:** Windows 10, Windows 7, Linux Ubuntu, Mac High Sierra
- Software Applications:** Sublime Text3, Anaconda, Virtual Box, IntelliJ IDEA, Apache Tika, Bazel, Invision, Sketch, Eclipse Oxygen, QT creator, Latex, Visual Studio, MS Office
- Collaboration Tools:** Git, JIRA, Slack, Dropbox, Google Doc
- Other Abilities:** Quick learner, Open to new concepts, Self-motivated, able to work with little direction, Great Mathematical ability and problem-solving skills.

TECHNICAL WORK EXPERIENCE

Uvic Advancement Services, Data Analytics Programmer Coop

Jan – Apr 2018

- Implemented and maintained **python** programs that are used for predictive analysis and data visualization.
- Participated in the design and implementation of online visualization dashboards.
- Built automated file transfer tools to improve work efficiency.
- Created data preprocessing programs for machine learning.

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.
- Provided text extraction and OCR services with Apache Tika for our cognitive platform.
- Established a pattern of pulling data from one RDBMS to another using Oozie workflow and Sqoop action.

EDUCATION

University of Victoria, Victoria, BC, Canada

Sep 2014 – Present

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

PROJECTS

BattleSnake Competition

Feb 2018 – Mar 2018

- Participated in BattleSnake 2018 and developed 4 different **python** path-finding algorithms for the 'Snake' programming game with one other team member.
- Entered semi-final for the beginner bracket on our first attempt.

Portfolio Site and Web Gallery

Jan 2018 – Mar 2018

- Designed and implemented my portfolio site using **html**, **CSS**, and **JQuery**, and documented tutorials, tools, resources, inspiration sites, and notes for building a portfolio site.
- Bought a domain name and built a web gallery using **WordPress**.

Flappy Bird

Feb 2018

- Built a flappy bird clone using **JavaScript**.

IOS App 'VTutor' Prototype Design

July 2017 – Aug 2017

- Developed personas, scenarios, usability goals, use cases, conducted observation and interview processes on users, and generated a high-fidelity prototype of a mobile tutoring app with four others.

Reliable Datagram Protocol

Mar 2017 – Apr 2017

- Designed a reliable datagram protocol in **C** using socket API with UDP
- 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.

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.

OTHER WORK EXPERIENCE

Ballet Victoria, Volunteer

May 2017 – Present

YoungYoung Restaurant, Part-time server, cashier

May 2016 – Aug 2017

INTERESTS

- Drawing, painting, hiking, snowboarding, cooking, traveling
- Music, movies, computer games
- Journal, photo editing, video editing

REFERENCE

Rick McCall

IBM Chief Data Office (Victoria, BC, Canada), Development Manager

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