

## TECHNICAL SKILLS

### LANGUAGES

- C/C++, Python, Ruby on Rails, PHP
- Web Design: HTML, CSS, JavaScript
- Database: PostgreSQL, Microsoft Server, MySQL

### OPERATING SYSTEMS

- Mac OSX, Windows, Linux (Command Line)

### SOFTWARE APPLICATIONS

- Microsoft Office (Word, Excel, PowerPoint, Outlook)
  - Design Tools: Axure RP, Illustrator, Photoshop, Lightroom, Muse
  - Google Cloud Platform (Compute Engine)
  - Github
  - Heroku / Cloud9
  - Postico
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## TRANSFERABLE SKILLS

- Strong communication skills, both verbal and written
  - Fast learner, open to new ideas
  - Prioritizes workload to be more productive during projects
  - Ensure tasks are completed within deadline
  - Able to work independently and as a team player
  - Self-motivated, energetic, responsible
  - Fluent in English and Mandarin
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## WORK EXPERIENCE

### CLOUDBOX INC. (DEV/OPS)

SEPT 2017 - JAN 2018

- Compare and contrast the pros and cons of softwares that provide monitoring and alerting features
  - Install and test the top selected monitoring and stats collection tools and plugins based on established criteria through terminal
  - Collect and store system performance metrics, and produce graphs with KPIs using monitoring and stats collection tools
  - Develop bash scripts to perform traceroute and mtr tests to record and import data into PostgreSQL to produce graphs and maps showing KPIs
  - Imported CSV files into PostgreSQL and wrote SQL queries to graph clients onto a map based on location of IP address
  - Separate probe and database logic in preparation for production and tested on various probes (BusyBox, EdgeOS)
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## PROJECTS

### BATTLESCRIPTS

OCT 2018 - DEC 2018

- Collaborated with four other students to develop with client and server side web game with database, HTML, CSS, JS, PHP
  - Multi-player logic game built using Unity WebGL hosted on GCP
  - Players can play cards that contain blocks of code, either to overflow or underflow opponents' points
  - First person to overflow/underflow opponents three times, or set own score exactly to zero wins
  - Web App viewable: [battlescripts.tk](https://battlescripts.tk)
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## PROJECTS

### HANDYMAN MOBILE APP

SEPT 2018 - NOV 2018

- Worked as a group using Axure RP to develop and design a mobile application for home repairs
- Incorporated various design principles in vertical and horizontal prototypes
- Attempts to solve problem for all types of users through text, videos, virtual reality, and expert contact mode
- Project viewable: [jz3xo0.axshare.com](http://jz3xo0.axshare.com)

### SFU BOOKCLUB WEB APP

MAY 2017 - AUG 2017

- Group project using Ruby on Rails framework, HTML, CSS, and JavaScript to develop a server side web application
- Collaborated with four other students to plan, implement, test, and deploy a working web via Heroku
- Applied scrum and agile development methods with two-week sprints and multiple meetings in between
- Uses various gems and APIs within the web application
- Properly functioning users and admin with login
- Students can post textbooks to sell for other uses of the site and comment on other posts they are interested in buying
- Web app viewable: [sfubookclub.herokuapp.com](http://sfubookclub.herokuapp.com)

### MOUNT MONSTROSITY

SEPT 2016 - DEC 2016

- Developed with object oriented programming, Processing
- Used UML to help illustrate the relationships between objects
- Developed an interactive game between player and characters involving three levels of difficulty
- Player can use different keys on keyboard to move and interact with different objects within the game
- Became familiar with class, superclass, subclass, polymorphism, and inheritance

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## OTHER EXPERIENCES

### ATTENDANT, PNE

AUG 2016

- Provide exceptional and friendly guest service
- Integrated well with the working team

### PIANO TUTOR

DEC 2014 – MAR 2015

- Taught kids how to play songs on piano
- Practiced sight reading, scales and arpeggios, ear tests with students in an engaging manner
- Improved communication skills between students and parents

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## EDUCATION

### SIMON FRASER UNIVERSITY

SEPT 2015 – CURRENT

- Bachelor of Applied Science, Major in Computing Science

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## INTERESTS

- Enjoy playing piano, obtained RCM Grade 10 certificate
  - Passion in sports, such as skating, swimming, taekwondo, and hiking
  - Using design softwares to create and enhance photos
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