


SHERMAN CHOW

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 github.com/scc23

Technical Skills	Languages	Applications	Operating Systems	Concepts
	<ul style="list-style-type: none">• Python• Java• C• C++• HTML• CSS• MATLAB• Julia• Assembly Language (x86)• SQL	<ul style="list-style-type: none">• Eclipse• Xcode• Microsoft Visual Studio• Subversion• Fossil• Git• Microsoft Office• Adobe Photoshop• Adobe After Effects	<ul style="list-style-type: none">• Windows• Mac OS• Linux• iOS• Android	<ul style="list-style-type: none">• Abstract Data Types• Sorting Methods• Object-Oriented Programming• Agile Development• Design Thinking

Education	Bachelor of Applied Science – Major in Computing Science Sept <i>Simon Fraser University, Burnaby, BC</i> <ul style="list-style-type: none">• One year studying abroad at <i>Zhejiang University</i>, Hangzhou, China (Sept 2014–June 2015) Dean's Honour Roll Spring 2016 Awarded for achieving a 3.50 or higher GPA with a minimum of 12 credits in the term	Sept 2013–Present
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Technical Projects	Shogi Game Sept–Dec 2016 <i>Introduction to Software Engineering (CMPT 276) – Simon Fraser University Burnaby, BC</i> <ul style="list-style-type: none">• Worked with a team of five students to produce a Japanese chess game, <i>Shogi</i>, with artificial intelligence, a graphical user interface, and networking• Collaborated with the team leader to develop multiple AI difficulties using the minimax search with alpha-beta pruning and Monte Carlo tree search• Integrated components and fixed bugs to ensure a runnable software on multiple operating systems, and a high quality final product English-Klingon Translator May–June 2016 <i>Data Structures & Programming (CMPT 225) – Simon Fraser University Burnaby, BC</i> <ul style="list-style-type: none">• Designed an English-Klingon (language of fictional characters in Star Trek) translator in C++ using a binary search tree and a hash table to translate words• Created a binary search tree by using a doubly linked list to implement its functions in order to insert and display all words in the translation library in sorted order efficiently• Created a hash table by using chain hashing to avoid collision and a singly linked list to implement its functions in order to translate individual words from the command line Bank Simulation Application May–Jun 2016 <i>Data Structures & Programming (CMPT 225) – Simon Fraser University Burnaby, BC</i> <ul style="list-style-type: none">• Developed an event driven simulation of a bank in C++ using a circular queue and priority queue to manage and process customers efficiently in priority order	
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- Created a priority queue by using a singly linked list to implement its functions in order to insert and remove customers from the priority queue

Technical Projects (Cont'd)

FriendsBook Application

May–June 2016

Data Structures & Programming (CMPT 225) – Simon Fraser University | Burnaby, BC

- Developed a social network application, FriendsBook, in C++ that stores user information in a dynamic array with function methods that allow users to add, remove, or search for friends, and to change their image or status

Adventure Game

Sept–Dec 2013

Intro to Computing Science & Programming (CMPT 120) – Simon Fraser University | Burnaby, BC

- Worked with a team of three students to brainstorm ideas and write code in Python for the development of an adventure game that allows a single player to interact with the system
- Created images using turtle graphics to display to the player
- Developed several test plans to account for a wide variety of potential errors and ensure that the final program was capable of exception handling

Work Experience

Sales Associate

July 2012, 2015

The Sample Sale Guys | Richmond, BC

- Communicated with customers to help them find merchandise they were looking for
- Organized merchandise displays to maintain a clean and welcoming customer environment

Local Referee

Dec 2011–June 2014

Volleyball BC | Vancouver, BC

- Coordinated volleyball competitions smoothly by making quick and confident decisions under pressure to control the flow of the games

Promoter

Apr–June 2012

Gold's Gym | Vancouver, BC

- Promoted events for the fitness center by conversing with people on the street to encourage them to sign up for memberships

Volunteer Experience

Head of High School Fundraising Association

Sept–June 2013

Heart2Heart Canadian Youth Society | Vancouver, BC

- Organized our 7th annual charity banquet, with a team of 12 students, that raised over \$80,000 to help build schools for children in rural China
- Promoted event by spreading awareness, selling tickets, and encouraging people to attend

Adjudicator Assistant

July 2013

Kiwanis Music Festival | Vancouver, BC

- Greeted participants and ensured they were well-informed of the competition's procedures
- Assisted the adjudicator with announcements and organizing paperwork, to ensure competition results were accurately reported

Interests

- 10+ years of experience playing the piano and violin
- Strong interest in visual arts and video games
- 4 years of experience snowboarding