

Sophie Chai

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HIGHLIGHTS

- A space enthusiast and obsessed to work for space related companies like MDA!
- 2 years co-op/intern experience, with 8 months experiences in software engineering related field. **
- Solid with OOP concepts.
- Experience with Java, Python, Bash scripting, MongoDB, REST APIs and version control like Git and BitBucket.
- Possess knowledge to write code using data structures and algorithms that maximizes efficiency.
- Collaborative, easy going and fun to work with (occasionally carry lame jokes).
- Love to solve problems and very patient for troubleshooting which involves debugging and refactoring.

EDUCATION

University of British Columbia

Bachelor of Science in Computer Science, Major

Vancouver, BC

Sep. 2021 – Apr. 2023

- Dean's List for Fall 2021 (2 terms).
- Completed 3 years.

Okanagan College

Diploma in Computer Science (GPA: 95.0)

Kelowna, BC

Jan. 2019 – Aug. 2021

- Dean's List for Fall 2019 and 2020 (4 terms total).

EXPERIENCE

Junior IT Support Analyst (Worklearn)

University of British Columbia, Dept of Psychology

Sep. 2021 – Present

Vancouver, BC

- Provide remote and in-person IT support for students, staff and faculty through ITSM ServiceNow help desk support system.
- Monitor Enterprise Active Directory (EAD) access for users, Exchange (ECP) to administer mailboxes.
- Monitor maintain NAS lab Windows servers.

Support Analyst Intern

Regional District of Central Okanagan

May 2021 – Aug. 2021

Kelowna, BC

- Maintaining RDCO computer network and security and providing IT support to 3rd party organizations (tenants) through Zendesk.
- Configuring and installing new systems and maintaining application documentation.
- Upgrading hardware and applications as well as proactive maintenance and troubleshooting.

** Software Engineering Intern

ESD Simulation Training

Sep. 2020 – Apr. 2021

Kelowna, BC

- Refactored existing code using design patterns like composite, observer and more.
- Explored and implemented methods to build compressors simulation models for training purposes.
- Developed Reciprocal and Screw Compressor simulations using C#, Java, XAML, and F#.
- Contributed 10K+ lines of code to an established codebase via BitBucket.

Student Representative Board Member

Okanagan College

Nov. 2019 – Nov. 2020

Kelowna, BC

- Set strategic direction and monitoring their implementation.
- Oversaw management and evaluating performance.
- Ensured effective systems for internal controls are in place.

PROJECTS

- Personal Website** | *HTML, CSS, Javascript/JQuery, PHP* Jul. 2022
- Created personal website to showcase resume.
- Meeting Planner Website** | *React, MongoDB, Express, HTML, CSS, Javascript* May. 2022
- Inspired by When2Meet website, with an improved UI with elevated functionality like importing and saving calendars.
 - Equipped with user information and authentication protocols for security purposes.
 - Heavily built in third parties React libraries like MUI.
- Recipe Website** | *React, MongoDB, Express, HTML, CSS, Javascript* May. 2022
- Developed frontend using React components built from scratch and external libraries.
 - Developed backend using Express and database like MongoDB.
 - Applied RESTful APIs protocols to provide operations between the frontend and the server.
- InsightUBC Full Stack Development** | *Typescript, Javascript, Node.js, Yarn, Chai, Mocha, Git* Jan. 2022
- Developed a full stack to allow users to perform tasks required to run UBC and to enable effective querying of the metadata from around campus.
 - Created test unit suite using Typescripts, Mocha and Chai frameworks.
 - Developed a backend that adds datasets and supports querying those datasets using Javascript.
 - Developed a frontend using HTML, CSS, Javascript, which will send REST commands to a web server.
- Reciprocating Gas & Oil-Injected Screw Compressor Simulations** | *C#, F#, XAML, BitBucket* Aug. 2019
- Developed a web application using XAML as the frontend.
 - Stored formulas separately using F# and referenced by the Statemanager written in C.
 - Visualized BitBucket data to show collaboration.
- MineSweeper** | *Java, JavaFX* Aug. 2019
- Developed a MineSweeper interface with additional functionality to restart and store results.
 - Hooked up the UI (JavaFx) with the backend (Java).

TECHNICAL SKILLS

Languages: Java, React, Python, C#, SQL, JavaScript, HTML/CSS, Typescript, F#, Bash scripting
Frameworks: Chai, Mocha, Express, JUnit
Version Control: Git, BitBucket