

# Sophie Chai

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## EDUCATION

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### University of British Columbia

Vancouver, BC, Canada

*Bachelor of Science in Computer Science, Major (with Distinction)*

*Sep. 2021 – Apr. 2023*

- Honour Dean's List for Fall 2021.
- BCG x Global Spark - Hack the Globe (2023).
- CSE Best Cybersecurity Project - nwHacks by Major League Hacking (2023).

### Okanagan College

Kelowna, BC, Canada

*Diploma in Computer Science (GPA: 95)*

*Jan. 2019 – Aug. 2021*

- Dean's List for Fall 2019 and 2020 (4 terms total).
- Received total of 5 awards & scholarships.

## EXPERIENCE

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### Junior IT Support Analyst (Worklearn)

Sep. 2021 – Apr. 2023

*University of British Columbia*

*Vancouver, BC*

- Monitor Enterprise Active Directory (EAD) access for users, Exchange (ECP) to administer mailboxes.
- Monitor and maintain NAS lab and Windows servers.

### Support Analyst Intern

May 2021 – Aug. 2021

*Regional District of Central Okanagan*

*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.

### Software Engineer Intern

Sep. 2020 – Apr. 2021

*ESD Simulation Training | C#, F#, XAML, .NET*

*Kelowna, BC*

- Implemented simulation model features using C# and F#.
- Created an interactive, easy-to-use UI layer that allows users to control the model and packaged to be used as a desktop application.
- Refactored and fixed inconsistencies in an existing code while noticeably improving accuracy and reliability.

## HACKATHONS

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**intelliGEN** | *OpenAI 3.5 Turbo, React+Vite, TailwindCSS, Google Cloud Vision, MongoDB*

May 2023

- SFU Sruge - StormHacks 2023
- A quiz generator app that extracts notes from huge amount of course slides into interactive quizzes.

**TASHA** | *Figma, Google DialogFlow CX, OpenAI Davinci GM*

Mar. 2023

- BCG x Global Spark - Hack the Globe.
- A global AI-driven mental health support and education chatbot.

**FoodShare** | *React, NodeJS, MongoDB, Express, Cloudflare, Azure, OAuth*

Jan. 2023

- nwHack 2023 - CSE Best Cybersecurity Project.
- A web app that connects people with surplus food to those who need to address the problem of food insecurity and food waste.

## PROJECTS

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- Personal Website** | *HTML, CSS, Javascript/JQuery, PHP* Jul. 2022
- Created personal website to showcase resume.
- Meeting Planner Website** | *React, MongoDB, Express, NodeJS, Firebase, RESTful APIs* May 2022
- Equipped with starred features like the ability to import calendars by parsing user's ics link, and the ability to create/login using 3rd party authentication.
  - Implemented RESTful APIs to return permitted information which is first authorized by Firebase from the token passed during the request.
  - Elevated UI designed heavily on React (MUI) components.
- Recipe Website** | *React, MongoDB, Express, NodeJS, 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.
- NBA Database** | *HTML, CSS, Bootstrap, PHP, Oracle* May 2022
- Used PHP on the server-side for creating dynamic web pages.
  - Used Oracle as the relational DBMS (RDBMS) to manage the data, hosted on UBC CS Oracle database system.
  - Ability to process basic CRUD operations and more complex queries such as division.
- UBC Campus Finder** | *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.
- MineSweeper** | *Java, JavaFx* Jul. 2019
- Developed a classic Minesweeper game with all different levels and ability to store highest scores using JavaFx

## TECHNICAL SKILLS

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**Languages:** Java, Python, C#, JavaScript/Typescript, HTML, CSS, F#, SQL, noSQL, Bash scripting, Visual Basic (.NET)

**Frameworks/Libraries:** React+Vite, TailwindCSS, Node.js, Express, Pandas, NumPy, scikit-learn

**Others:** Git, Encryption, Security