

# SOPHIA KIM

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## TECHNICAL SKILLS

### Languages

Java, TypeScript, JavaScript, Kotlin, Python

### Web Development

React, Node.js, Vite, Spring Boot

### DevOps & CI/CD

Ansible, GitHub Actions, Git

### Operating Systems & Shell

Unix, Bash

### Testing

JUnit, Mockito, Mocha, Chai

### Databases

PostgreSQL, SQL, Firestore

## PROFESSIONAL EXPERIENCE

### Full Stack Developer Co-op

Sept 2022 – May 2023

CGI

Vancouver, BC

- Specialized in writing Ansible playbooks, assisting with deployment, configuration, and management of technical infrastructure, and developed an expertise working on Unix environments
- Contributed to developing, maintaining, and managing relevant release policies on a regular basis
- Analyzed code base of a web application, leveraging SQL to trace workflow from UI to database, identifying areas of improvement, developing functionalities using Java, and testing implementations with JUnit and Mockito
- Troubleshooted and resolved technical defects from running test harness for Spring Boot applications

### Research and Health Coordinator

Nov 2018 – July 2021

Canada's National Ballet School

Toronto, ON

- Coordinated the Sharing Dance Older Adults program across Ontario, finishing the pilot with a 79% retention rate, exceeding target research participants by 172% and contributed to 2 publications

## PROJECTS

### Scholarship Web Scraping Chrome Extension and Web Application

Dec 2024

Personal Project

- Developing Navis, a chrome extension and web application that scrapes and summarizes scholarship information
- Using Cohere Command R for text summarization, React, TypeScript, and Vite for frontend development, Node.js and PostgreSQL to integrate the database using REST API endpoints, and Mocha and Chai to build test suites
- Working collaboratively with UX Designer to ensure seamless and aesthetic design and workflow of application

### Receipt Reader Android Mobile App

May 2024

Personal Project

- Developed PockExpense, a mobile app that reads and compiles receipts to streamline reimbursement processes
- Leveraged Kotlin and Android API frameworks to build the end-to-end product workflow, Google ML Kit Text Recognition API to parse and store receipt data, and JUnit, Robolectric, and Mockito to test the features
- Implemented a CI/CD pipeline using GitHub Actions to automate application testing and build processes
- Building the product from the ground up by identifying a real user problem, defining use cases based on user needs, and developing and testing features to deliver a seamless solution

### Chrome Extension for Seeking Refuge in Canada (Hackathon 2nd Place)

Mar 5 – 6 2022

cmd-f hackathon 2022

Vancouver, BC

- Awarded: Silver Prize (2nd place), 2nd Place TELUS: social sustainability and community building sponsorship
- Created a chrome extension that centralizes resources for refugees seeking refuge in Canada
- Leveraged Firestore database to compile resources, and React and JavaScript to handle user queries

## EDUCATION

### University of British Columbia

Bachelor of Computer Science (BCS)

Vancouver, BC

Sept 2021 – May 2024

### Western University

Master of Public Health (MPH)

London, ON

Sept 2017 – Aug 2018

### University of Toronto

Bachelor of Arts – Health Studies Specialist, Sociology Major

Toronto, ON

Sept 2013 – May 2017