# Sophia Kim

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## TECHNICAL SKILLS

**Languages**: Java, TypeScript, JavaScript, Python, HTML/CSS, R
**Frameworks**: React, Node.js, MaterialUI, Ionic, Ansible, JUnit, Mocha, Chai
**Developer Tools**: IntelliJ, VSC, JDeveloper, Git, Firebase, SVN, Eclipse
**Libraries**: spaCy, scikit-learn, pandas, NumPy, Matplotlib

## PROFESSIONAL EXPERIENCE

**Full Stack Developer Co-op Student**                                      Sep. 2022 – May 2023
*CGI*                                                                              *Burnaby, BC*

- Wrote Ansible playbooks independently and collaboratively with senior developers and consultants for configuration management on all environments
- Analyzed defects in a web application by investigating the workflow from the user interface to the database, using SQL queries to understand how user cache information was being stored and documenting the process with sequence diagrams and ER diagrams
- Reviewed and refactored code in Java and wrote unit tests using JUnit and Mockito
- Contributed to the deployment of updated features on the web application and resolved bugs on each environment
- Ran smoke tests and resolved all test failures on Test Harness

**Research and Health Coordinator**                                        Nov. 2018 – July 2021
*Canada's National Ballet School*                                                  *Toronto, ON*

- Implemented a digital arts-based health program across Ontario, completing the pilot with a 79% retention rate
- Exceeded target research participants by 172%, and contributed to 2 publications

## PROJECTS

**UBC Grade Explorer**                                                      Sep. 2023 – Nov. 2023
*CPSC 310 Course Project*                                                        *Vancouver, BC*

- Used TypeScript and JavaScript for the backend, React and HTML/CSS for the frontend, Mocha and Chai frameworks for testing, and Node.js express framework to connect API endpoints
- Built a project where users can search grade history for any course of interest at UBC

**Chrome Extension for Seeking Refuge in Canada (2nd Place)**                  Mar 5 – 6 2022
*cmd-f hackathon 2022*                                                           *Vancouver, BC*

- Awarded: Silver Prize (2nd place), 2nd Place TELUS: Leverage technology to support social sustainability and community building sponsorship
- Created Seek Refuge, a chrome extension of resources for refugee seekers
- Used Firebase and React, setting up the database with resources and connecting it to the chrome extension

**Speech-to-Text App for Communication Assistance (Top 5 Finalist)**          Feb 18 – 20 2022
*StormHacks 2022*                                                                *Vancouver, BC*

- Awarded: Top 5 Finalist, Most Creative Use of Twilio
- Created Hearo, a speech-to-text app to assist communication
- Used AssemblyAI API, Twilio API, Node.js, and JavaScript to implement speech-to-text feature into the app

## EDUCATION

**University of British Columbia**                                                Vancouver, BC
*Bachelor of Computer Science (BCS), 4th Year*                        *Sep. 2021 – expected May 2024*

**Western University**                                                              London, ON
*Master of Public Health (MPH)*                                              *Sep. 2017 – Aug 2018*

**University of Toronto**                                                           Toronto, ON
*Bachelor of Arts, Honours with Distinction*                                 *Sep. 2013 – May 2017*