Sophia Kim

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TECHNICAL SKILLS

Languages: Java, C, TypeScript, JavaScript, Python, HTML/CSS, R
Frameworks: Ansible, React, Node.js, MaterialUI, Ionic, JUnit, Mocha, Chai
Developer Tools: IntelliJ, VSCode, 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, demoing to team leads and managers and deploying the playbook on all environments
- Analyzed defects in a web application by investigating the workflow from the user interface to the database, using SQL queries to see how data was being stored and clearly documenting the process with sequence diagrams
- Reviewed and refactored code in Java to update how user cache information was written into the database
- Wrote unit tests using JUnit and Mockito to test how user information was stored in a mock database
- Ran smoke tests and resolved all test failures on Test Harness, particularly after an update to an environment
- Wrote a Bash script that allowed staff to update their working copy with a specific version of the SVN repository
- Contributed to the deployment of updated features on the web application and resolved bugs on each environment

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 the manuscript writing for 2 publications

PROJECTS

UBC Grade Explorer   Sep. 2023 – Nov. 2023
Course Project   *Vancouver, BC*
- Leveraged TypeScript to implement dataset functionalities, React, JavaScript, and HTML/CSS to design the user interface, Mocha and Chai frameworks for testing, and Node.js express framework to connect API endpoints
- Built a project where users can search grade history or room information for UBC courses or buildings respectively

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 a chrome extension that streamlines resources for refugees, including Google Maps for available services
- Used Firebase to set up the database, and used React to handle user queries for data retrieval

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 JavaScript and Node.js express to connect to the AssemblyAI and Twilio API speech-to-text feature

EDUCATION

University of British Columbia   Vancouver, BC
Bachelor of Computer Science (BCS)   *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 – Health Studies Specialist, Sociology Major   *Sep. 2013 – May 2017*