

# Anna Takeuchi

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## TECHNICAL SKILLS

- **Back-End:** Java, C#, C, C++, SQL
  - **Front-End:** JavaScript, React, HTML5, CSS3
  - **Tools/Environment:** Git, Docker, Atlassian, IntelliJ IDEA, Rider, Visual Studio
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## WORK EXPERIENCE

### Software Developer Co-op @ PayByPhone Technologies Inc.

Jan — Aug 2022 // Vancouver, Canada

- Maintained and added new services to an internal RESTful API that manages user accounts and identities
- Implemented the groundwork for new features using a Model View Controller pattern in C# using .NET Core
- Contributed to an end-to-end automated test suite written in Python using the PyTest framework
- Containerized a legacy service in the CI/CD pipeline using Docker
- Facilitated SCRUM meetings, assisted in grooming JIRA tickets, refined acceptance criteria, and participated in code reviews

### Software QA Analyst Co-op @ Copperleaf Technologies Inc.

Jan — Dec 2020 // Vancouver, Canada

- Developed test plans and generated complex test data for executing tests varying from Regression, Localization, UI, API, and Automation testing
  - Provided detailed reports of software defects and verified bug fixes
  - Documented a step-by-step guide to improve the workflow of running automation test scripts
  - Presented a case study to contribute a deeper understanding of the flagship product in order to enhance testing practices
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## PROJECTS

### Call Graph Generator | Oct — Nov 2021

- Developed the back-end within a team to implement a program analysis tool in Java that evaluates a given source code to produce a visual call graph of a particular execution
- Leveraged JavaParser and the Visitor pattern to generate and traverse Abstract Syntax Tree of source code

### TCP Server & Client | Mar — Apr 2021

- Implemented a simplified Netcat clone using socket programming in C with a feature that allows server to connect to multiple clients using synchronous I/O multiplexing

### Food Delivery Database GUI | Nov 2020

- Collaborated in a team of 3 to implement a Java application that provides a GUI for the user to run SQL queries of data from a fictional food delivery service
  - Utilized Java's JDBC API to connect the app with the university CS department's Oracle DBMS
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## EDUCATION

### B.A, Computer Science Major — Expected Graduation: May 2023

University of British Columbia // Vancouver, Canada

- Advanced Relational Databases, Intermediate Algorithm Design & Analysis, Internet Computing, Computer Hardware & Operating Systems