

Christopher Cliff

(780) 904-7844 | ✉ chris.cliff@shaw.ca | [in](#) [chris-cliff](#) | [G](#) [cliff42](#) | [</>](#) christopher-cliff.com

TECHNICAL SKILLS

Languages/ Frameworks: Java, Ruby, C++, Python, C#, JavaScript, TypeScript, HTML, CSS, SQL, Node.js, React, Redux, Angular, Blazor

Developer Tools: AWS, GCP, Azure, Git, OpenShift, Docker, Heroku, DynamoDB, MySQL, Unity, JUnit, Clusterfuzz

TECHNICAL WORK EXPERIENCE

Amplify Software Developer

May 2022 – August 2022

RBC (Royal Bank of Canada)

Toronto, ON

- Designed and developed a patent-pending service recommendation engine in a team of 4, estimated to ensure \$12 million per year in wealth assets are retained by RBC as part of the RBC Summer 2022 Amplify program.
- Outlined and architected a comprehensive system to ensure robustness and scalability, and deployed a React front end with 4 dockerized associated Node.js microservices using OpenShift.
- Pitched the final product to a team of senior executives in a conference format, and won the best teamwork award.

Software Developer Intern

May 2021 – December 2021

NetApp

Vancouver, BC

- Was given full responsibility as a key stakeholder as part of StorageGRID to design and develop a full stack solution involving Bash scripting, Ruby REST APIs and back end, and an Angular front end for a client-requested feature.
- Was responsible for mentoring a new co-op student, and guiding them through any issues they faced.

Coop Software Developer

January 2020 – August 2020

Incognito Software Systems

Vancouver, BC

- Developed front end solutions following the standard model-view-controller pattern using JavaScript, backbone.js and jQuery for a new product in a team practicing Agile and Scrum methodology.
- Created automated regression tests using Java and Selenium, leading to a 30% reduction in total testing time.

Research Assistant

May 2019 – August 2019

University of Alberta

Edmonton, AB

- Researched and compared the A.I. entrepreneurial ecosystems of Edmonton and Vancouver - acknowledged in the paper: [🔗 A New Tool for Policymakers: Mapping Cultural Possibilities in an Emerging AI Entrepreneurial Ecosystem.](#)
- Created an autonomous database scraper using Python to download millions of lines of data and parse the results.

PROJECTS

HSBC Team Vision | *Node.js, React, AWS Lambda, DynamoDB*

January 2022 - April 2022

- Worked with a team of seven to deliver an end-to-end solution for providing a virtual office meeting platform based on specifications provided by HSBC, and was eventually selected by HSBC as the solution they would use internally.
- Designed and developed a serverless application using AWS Lambda and DynamoDB, that was managed and deployed using AWS SAM and CloudFormation.

Natural Event Tracker | *Node.js, Angular, GCP, Firebase, MongoDB*

October 2021

- Created a Node.js and Angular application utilizing the Firebase Platform, MongoDB and Twilio APIs to provide a real-time visualization and early-warning system for a variety of on-going natural disasters around the globe.
- Winner of the Hack the Valley Best Nature Hack and Best use of Twilio API awards.

One Giant Leap - Lunar C&C | *C#, .NET Blazor, Azure*

September 2021

- Developed a .NET Blazor utilizing Azure services, alongside CosmosDB to provide a real-time command and control application designed specifically for use on extra-planetary missions as part of the NASA Space Apps Challenge.
- Winner of the local Vancouver-based competition, and received an honorable mention in the global judging round.

EDUCATION

University of British Columbia

Vancouver, BC

Bachelor of Science, Computer Science with Coop

Expected May 2023

- Dean of Science Scholarship
- Science Scholar/Dean's Honour List