

# Stash Currie

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## Technical Skills

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**Programming Languages:** C#, Typescript/Javascript, Python, SQL, Java, HTML/CSS

**Technologies and Frameworks:** Azure Cloud, React, .NET, PyTest, Selenium, Entity Framework, Docker, NodeJS

**Tools:** Postman, Jira, Unity, Git, Adobe Suite (Photoshop, Premiere), Visual Studio, Rider

## Work Experience

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**Web Developer Co-op** (React, Typescript, C#, .NET, Azure Cloud, SQL, Esri ArcGIS) May 2023 - present  
Cambio Earth Systems (BGC Engineering) Vancouver, BC

- Spearheaded the development of a plethora of fullstack features for the company's geotechnical data management platform, used daily by hundreds of engineers, enhancing their daily operational efficiency and decision-making abilities
- Independently developed a plot to display NOAA National Water Model data using **ChartJS** allowing engineers to easily visualize time-series data integrated with hazard-site specific information
- Expanded the 'Admin Tool' UI to allow direct database modifications through **Entity Framework**, saving hundreds of hours of development time, reducing lead-times, and streamlining multiple processes
- Undertook a large refactoring of the internal token system greatly improving the reliability of the application and code quality
- Consistently met deadlines for high-priority tickets including urgent requests for clients.
- Led a team of developers as the Scrum Master facilitating the Agile process and inspiring collaboration.

**QA & Test Automation Co-op** (Python, PyTest, Selenium, Azure Cloud, SQL) Sep 2022 - May 2023  
Cambio Earth Systems (BGC Engineering) Vancouver, BC

- Independently developed a test automation framework written in python using **PyTest** and **Selenium** which runs nightly on an Azure Pipeline to verify and monitor system critical API endpoints and UI workflows
- Created and executed test plans using both automated and manual testing methods to verify backend cloud systems consisting of **Azure Function Apps**, **Service Buses**, and **SQL** databases
- Refactored and updated existing python automations to respond to functional changes and to improve code quality

## Projects

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**UBC Workday Side by Side Calendar** ([Chrome Web Store Link](#)) Jun 2024 - present

- Created a browser extension using Typescript and React for Chrome and Firefox distribution with a small team of developers, gaining over **6000 users** and 5000 downloads on the **Chrome Web Store**
- Integrated the UBCGrades API into the extension allowing users to easily see historical grades data for courses
- Refactored the UI to be more responsive to screen sizes and zoom levels

**ItinerAI** (Top 10 Project Microsoft AI Learning Hackathon 2024) May 2024 - Jun 2024

- Created a chatbot utilizing **Azure's OpenAI** service to craft trip itineraries utilizing **LangChain** tools and agents
- Connected the chatbot to **Azure Cosmos DB** to find relevant locations using vector searching techniques
- Developed a web application using Typescript and **NodeJS** to serve as a frontend, integrating the **Google Maps API** and chatbot into the application

## Education

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**University of British Columbia** Vancouver, BC  
Bachelor's of Science, Major in Computer Science Cumulative GPA: 4.0/4.33

- A+ average in Computer Science courses
- Minor in Commerce (Sauder School of Business)
- Relevant courses: Machine Learning, Data Structures & Algorithms, Software Construction, Calculus, Linear Algebra

## Awards

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- Governor General's Bronze Medal (highest average in highschool graduating class)
- BC Achievement Scholarship