



Dhruv Bahl

Undergraduate Student

A dedicated and enthusiastic fourth-year university student with a desire to learn and grow in the field of Computer Science. I am currently seeking an internship or full-time position so I can gain some valuable work experience to help expand and strengthen my current skill set, use the perspective I have gained from being an international student as well as diligently use my knowledge and experience to benefit the organization I will be part of.

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EDUCATION

BSc Computer Science

University of British Columbia

09/2018 - 04/2023

Kelowna, Canada

Courses

- Math: Up to Calculus 3
- Computer Science: Advanced Databases, Java programming, Data structures and algorithms, Web Development

WORK EXPERIENCE

Software/Hardware Test Co-op

Skytrac

01/2022 - 12/2022

Kelowna, Canada

Achievements/Tasks

- Created a python script to digest csv files from test results and return the time frames that had anomalous data.
- Added to Skytrac's suite of Selenium test cases for their websites which helps reduce the need for human testers and frees up a considerable amount of time.
- Contributed to the development of a software test tool that creates tests for an upcoming project. This is estimated to be able to create 2000 tests a day making it extremely valuable.

Contact : Craig Cote

Software Engineer Intern

Microsoft

05/2021 - 08/2021

Achievements/Tasks

- I was solely responsible for the creation of an API using C#. The API's role was to change the payment date for an order if a new future date has been provided. Data was received as a string and parsed by the API to determine if the date needed to be changed.
- The aim was to help reduce clients' products from being disabled and create a better flow between company and client.
- Additionally, I was responsible for the creation of an end-to-end anomaly detection service. I used technologies such as SCOPE and Azure Data Factory as well as C# to create another API.

Software Engineer and Project Management Intern

Microsoft

05/2020 - 08/2020

Achievements/Tasks

- The main objective of the project was to develop a program that can detect anomalies from transactional data. We were given a stream of financial data through Kusto. This data was filtered through SQL scripts that I specifically set up and then passed onto an analytics page through code my team and I wrote in C#.
- This is a company requirement and has saved the company time and money by avoiding dealing with potential lawsuits and lost clients.
- Used the Kusto database to extract the transactional data using the Kusto Query Language.
- Set up rule-based filtering that included filters based on unusually large purchase orders as well as random spikes in the tax rate.

Contact : Adrian Bryski

SKILLS

React.js

Selenium Test framework

Javascript

Problem solving

Typescript

HTML/CSS

Java

Git

C#

SQL

Python

Experience with OOP

PROJECTS

The Employee Portal (08/2022 - Present)

- A solo project that targets the overall application of react. This project was done using typescript instead of JavaScript to improve my understanding of how the two work together.
- The portal calls a public API endpoint to create fake users therefore exploring how Axios works as well as increase my familiarity with CRUD operations. The aim is to ease my way into full-stack development.
- The employee portal shows the total number of employees, allowing for viewing, adding, editing and deleting employees.

The Snake Game (08/2022 - Present)

- The aim of the project is to find a fun way for me to practice my understanding of Java's OOP concepts by recreating the snake game.
- I was introduced to Java's GUI through JPanel, JFrame, etc. This is a continuous project as I aim to add more features to make it more fun and continuously tap into the creative part of my mind.

Checklick (Capstone project) (07/2021 - 04/2022)

- Implemented and redesigned 6 webpages by adding the CSS Framework, Bootstrap, resulting in over 20% more user engagement than before.
- Participated in each step of the product development process from group ideation to developing improvements for features that reach thousands of customers.

The car payment calculator (10/2022 - Present)

- Solo project to understand and improve my knowledge of working with react and the native hooks such as useState and useEffect.
- Created a dynamic webpage with a form that updates the estimated payment dynamically.
- Additional work will be done to use additional APIs to increase my familiarity with them.