

Shuhaib Mehri

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Education

University of British Columbia

Vancouver, BC | Expected Graduation – May 2024

B.Sc. Honours Computer Science – 4.0 GPA

Selected Coursework: ML and Data Mining, Advanced Algorithms Design and Analysis, Computer Vision, NLP

Activities: Competitive Programming Team (ACM ICPC); Tri mentoring; Computer Science Co-op; Intramurals;

Professional Experience

Amazon

Vancouver, Canada | Jan 2023 – Present

Software Development Engineer Intern

Java

- Owned the **end-to-end** design and development of an **interactive data visualization tool** that facilitates the migration from an internal page assembly service, resulting in a **90% increase** in efficiency of the data analysis process
- Spearheaded **productionalization** by setting up necessary pipelines and environments, conducting threat modeling, attaining certifications, establishing a robust support policy and implementing logging mechanisms, resulting in a **fully operational web application** that is available for use
- Employed various techniques to optimize the data retrieval process, achieving a **60% reduction in website latency**

UBC Computer Science Department

Vancouver, Canada | Sep 2022 – Present

NLP Research Assistant

Python, Shell

- Conducting research with Prof. Vered Schwartz on the **Automatic Evaluation of Generative Models** with intentions of submitting our publication to the 2023 **EMNLP Gem Workshop**

Amazon

Vancouver, Canada | May 2022 – Aug 2022

Software Development Engineer Intern

JS, Java, AWS (Lambda, API, Step Fn, CFN, DynamoDB, S3)

- Architected the creation of a command line interface that uses cloud computing to **generate** and **register** consumer ready metadata, enabling developers to **onboard/update web pages** onto Amazon's page rendering platform
- Reduced team operation load and improved client experience by working on **multiple services** across **different teams** to **automate a process** that previously had **~5 requests/week** and a **10-day service-level agreement**

Clir Renewables

Vancouver, Canada | Sep 2021 – Dec 2021

Software Development Engineer Intern

Python, Java, JavaScript, MongoDB, Docker

- Built and deployed a management software solution, effectively maintaining a portfolio of **1000+** renewable energy assets
- Enhanced code functionality, efficiency, and user experience by introducing new features, writing tests, and integrating changes to the **internal tool portal**, **data access**, **user authentication**, and **notification** services

Copysmith

Vancouver, Canada | May 2020 – Dec 2020

Software Engineer Intern

React + HTML/CSS

- Independently **built key-features** of the **front-end interface** for an early-stage startup

UBC Computer Science Department

Vancouver, Canada | Oct 2020 – Present

Teaching Assistant

- Led programming labs, office hours and review sessions for **over 300** students in principle cs courses
 - Introduction to Software Engineering (CPSC 310), Models of Computation (CPSC 121)

Personal Projects

Emotion Classifier API - Language Models that classify text as one of six emotions

Python

EasyCC (NWHacks Honorable Mention) | devpost.com/software/easycc

JavaScript, CSS, HTML

- Constructed a chrome extension that provides **real-time closed captions** to overcome hardships of online school
- Integrated tools to capture audio, process speech with Google Speech-to-Text engine, used socket.io to display transcripts

BikePark Android Application

Java, XML

- Created an android app that allows users to report bike theft and receive **risk assessments** for bike **theft** based on their location, allowing users to make safe and informed decisions for where to leave their bike
- Integrated Google Admob **advertisements**, formerly on the **Google Playstore** with users across **18 countries**

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, C, C++, HTML, CSS, PHP, SQL

Technologies: AWS (Lambda, API, Step Fn, CFN, DynamoDB, S3), Azure, Git, React, Redux, Node.js, MongoDB