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 – Aug 2023**

Software Development Engineer Intern (Gurupa Team)   *Java*

- Owned the end-to-end creation of an interactive data visualization tool responsible for a 90% increase in efficiency of data analysis, which streamlined the migration from a page rendering framework
- Employed various techniques to optimize the data retrieval process, achieving an 80% reduction in website latency
- Spearheaded productionalization by configuring pipelines and environments and establishing a robust support policy, which resulted in a fully operation web application deployed to production

UBC Computer Science Department   **Vancouver, Canada | Sep 2022 – Present**

NLP Research Assistant   *Python, Shell*

- Conducted research under the supervision of Prof. Vered Schwartz on the Automatic Evaluation of Generative Models, submitted our publication to the 2023 EMNLP Gem workshop
- Created a dataset and experimented with various training techniques to develop a model for evaluating generative tasks

Amazon   **Vancouver, Canada | May 2022 – Aug 2022**

Software Development Engineer Intern (Dram Team)   *JS, Java, AWS (Lambda, API, Step Fn, CFN, DynamoDB, S3)*

- Architected the design and development of a command line tool that uses cloud computing to generate and register consumer ready metadata, enabling developers to onboard/update Amazon web pages
- Collaborated with different teams to fully integrate the command line tool, ultimately automating a process that previously required manual code changes and reducing team operation load by 30%

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 | Sep 2020 – Oct 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 - Intro to Software Engineering (CPSC 310), Models of Computation (CPSC 121)

- Led programming labs, office hours and review sessions for over 300 students in principle cs courses

Personal Projects

Polyglot – buildspace nights&weekends hackathon   *Node.js, Python*

- Built an app that enables users to translate shows into different languages while preserving speaker's original voices

EasyCC - NWHacks Winner | 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 and receive risk assessments for bike theft based on their location
- Integrated Google Admob advertisements, formerly on the Google Playstore with users across 18 countries

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, C, C++, HTML, JSP, CSS, PHP, SQL
Technologies: AWS (Lambda, API, Step Fn, CFN, DynamoDB, S3), Azure, Git, React, Redux, Node.js, MongoDB