Amrit Dhaliwal

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EDUCATION

UBCO **Kelowna, BC**

BSc Minor in Data Science

Relevant coursework:

- *Intro to Data Analytics (COSC 301)*
- *Intro to AI (COSC 322)*
- *Database System Implementation (COSC 404)*

PROJECT EXPERIENCE

Automation of KML file extraction of Polygon data

- Produced a Python script using arcPy and the library pyKML.
- Purpose of the project was to extract Polygon data inaccessible to ArcGIS and automate the data extraction, insertion of data into a geodatabase, and insert required list of fields.
- **Tools used include:** Python, ArcMap, ArcCatalog, and PyCharm.
- Produced for Dave Orlando GIS Analyst at the Regional District of the Okanagan.

Open-Source Contributions

- *Mozilla/Glean.js*
    - A part of the Glean project for telemetry at Mozilla.
    - Telemetry is the collection of data at remote points and the automatic transmission of the data.
    - Project is programmed using Typescript.
- *Bevy*
    - Open-source data-driven game-engine.
    - Project is programmed using Rust.

WORK EXPERIENCE

Freelance Developer **Kelowna, BC**

Freelancer (Software Development) *Dec 2020 to Current*

- Assembled Python scripts for automation and web-scraping.
- Organized the extracted data to be stored in a file format such as CSV or XML. If 100's of data points was extracted the data could also be stored in a SQL database such PostgreSQL.
- Communicated with clients to deliver quality software projects and followed up with them to ensure that the customer was happy with the work.

The Medical Arts Health Research Group **Kelowna, BC**

Database/IT Associate (Pharmaceutical Industry) *Sept 2019 to Sept 2020*

- Created new awarded research studies on Realtime and provide access to key staff members.
- Managed database access and troubleshooted database issues.
- Generated study templates for study visits with the appropriate scheduling, procedures, and financials linked to each visit.
- Introduced a companywide used eSource template to be used with all new studies which increased source document generation by 30%.
- Liaised with study team and ensured all study documents met Health Canada guidelines.

SKILLS & INTERESTS

Skills: Python, HTML, CSS, JavaScript, C++, Git, SQL, NoSQL (MongoDB), Microsoft Office, Tableau, and experience with multiple Operating Systems, Windows, Mac OS, and Linux (Ubuntu).

Interests: Besides programming for personal projects and school I am learning to ethical hack by competing in Capture the Flag events and Hackathons.