

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.
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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.