

# Amrit Dhaliwal

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<https://github.com/AmrDhaliwal> **Portfolio-**<https://amrits-portfolio.herokuapp.com/>

## EDUCATION

### UBCO

Kelowna, BC

*BSc with a Minor in Data Science*

## 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.

### Active Open-source contributor

- Please see my GitHub profile for all my open-source contributions.
- The programming languages used are mainly Typescript and 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.
- Analyzed patient data through company database.
- Introduced a companywide used eSource template to be used with all new studies which increased source document generation by 30%.

## SKILLS

**Skills:** Python, HTML, CSS, JavaScript, NodeJS, NPM, React, Git, MySQL, PostgreSQL, NoSQL (MongoDB), Tableau, Microsoft Office

## Certifications

### Microsoft Azure Fundamentals

### JPMorgan Chase & Co. Software Engineering (2020)

- Interfaced with stock price data feed
- Used JPMorgan Chase frameworks and tools
- Displayed data visually for traders

### General Electric Data Analytics Program (2020)

- Implemented Data Engineering techniques to create a data lake
- Developed a run chart and a KPI to visualize data