

Emma Tulsy

Denver, CO

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Experience:

Rock Solid Data

March 2023 – Aug 2023

Temporary Database Consultant

- Conducted data entry for multiple clients
- Cleaned and validated data for the database
- Ran independent database audits for companies using SQL
- Assigned mining lease information spatially using QGIS
- Created validated extracts of data for yearly reporting purposes
- Assisted in setting up new databases for onboarded clients
- Conducted historical data compilations for clients

Geobase

Aug 2021 – June 2022

Database Geologist

West Perth, WA, AUS

- Cleaned and loaded data for multiple junior exploration companies
- Managed assay and logging data in the database and provided QAQC reports to clients
- Assembled validated databases through the compilation of historic data using WAMEX, Access, Excel, Micromine and SSMS
- Generated logging templates for new clients
- Updated SQL scripts and data using SSMS
- Validated all data in each database before export to client

Gold Fields St.Ives

May 2021 – Aug 2021

Project Exploration Geologist

Yilgarn Region, WA, AUS

- Designed RC and Diamond Drill plans using ArcGIS, Leapfrog and iOGAS
- Analysed tenement potential and presented recommendations.
- Wrote tenement renewal and extension reports
- Mentored geologists on logging, modelling and drilling.
- Conducted multiple safety inspections on site including on drill rigs, vehicles, and the core yard

ConsMin

May 2020-April 2021

Project Exploration Geologist at Woodie Woodie

Pilbara Region, WA, AUS

- Designed and planned RC drilling programs for greenfields, brownfields, and infill drilling using Leapfrog
- Advised exploration geologists on the rigs
- Coordinated with multiple departments in order to plan and manage RC programs and earthworks
- Assisted in invoice management and reconciliation
- Conducted weekly and daily drill inspections as well as weekly safe task observations
- Attended weekly safety meetings
- Reviewed daily earthworks and drill plods, data entry and daily drilling QAQC
- Created maps in Mapinfo/QGIS for environmental clearing permits, earthworks and drilling

Newcrest Mining

Sept 2019- April 2020

Contract Project Exploration Geologist at Havieron

Paterson Region, WA, AUS

- Assisted in developing a geological interpretation of the deposit and contributed to future drill plans
- Conducted weekly diamond drill rig audits
- Wrote daily reports
- Diamond drill core logging
- QAQC of drill data and 6 weekly reporting
- ArcGISPro mapping of drilling areas

- Performed ore control duties: underground mapping, making ore calls, and data input
 - Managed these tasks for both Chukar and Exodus in a single day as we needed to cover both mines
- Logged core for multiple projects throughout the Carlin trend including (Exodus, Chukar, and Pete Bajo)
- QAQC of drill data and monthly reporting
- Designed infill ore control drill programs for RC drilling
- Used Vulcan to create the reserve and short term gold models
- ioGAS analysis to understand deposit's intrusives
- Involved in 3D prospectivity study of Exodus deposit
- Trained all new geologists at Exodus/Chukar on ore control and core logging
- Conducted yearly safety meetings and attend safety meetings monthly
- Participated in yearly lab audits

Skills:

Vulcan	ioGAS	ArcGIS	Core Logging
MS Office	VisualLogger	Leapfrog	QGIS
QAQC	RC/core drillhole planning	MapInfo	Underground mapping
Python	Ore Control	SQL	AccessDB
LogChief	MXDeposit	AcQuire	

Education:**Virginia Tech****M.S** Geoscience

Thesis: *The Effects of Contact Metamorphism by Diabase Intrusion on the Carbon and Sulfur Bearing Phases in the Siltstones of the Culpeper Basin.*

Stable isotope geochemistry (Sulfur and Carbon) and thermodynamic modelling using both wet chemistry and Python respectively.

GPA: 4.0/4.0

Virginia Tech**B.Sc.** Geoscience**Volunteer Work/ Leadership:**

Virginia Tech Dept of Geosciences Alumni Board Member: Collaborates with the department of geoscience to come up with ideas for fundraising and improving the department.

PGMS Volunteer: Worked at the door of the Perth Gem and Mineral Show as well as the set up and take down

Virginia Tech Alumni Mentor: Mentor students in the Virginia Tech geosciences department.

Certificates:

- Mental Health First Aider
- SQL for Data Science from IBM