Emma Tulsky

Denver, CO

emma.tulsky@gmail.com | c.757-618-5073 |

Portfolio: emmatulsky.com

As a geologist transitioning into product design, I bring a robust quantitative background and a passion for user experience design and problem-solving. My experience in geology has honed my analytical skills, enabling me to approach design challenges with a unique perspective. I am eager to expand my knowledge in UX/UI design and leverage my scientific expertise to create intuitive and effective user experiences.

Experience:

Freelance

2023 - Present

Assisted people in my community through website design. Helping communities become stronger and find the services that people offer.

Rock Solid Data

March 2023 - Aug 2023

Temporary Database Consultant

Perth. WA. AUS

- Conducted data entry for multiple clients ensuring everything was captured in their databases
- Cleaned and validated data for the database
- Ran independent database audits for companies using SQL to make sure their data was validated
- Assigned mining lease information spatially using QGIS to minimize time in reporting
- Created validated extracts of data for yearly reporting purposes to allow companies to quickly write their reports for the government
- Assisted in setting up new databases for onboarded clients to ensure a smooth transition
- 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 allowing them to focus on more important work
- 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 so that they could save time when setting up their projects
- Updated SQL scripts and data using SSMS
- Validated all data in each database before export to client

Skills:

Design

UX Research • Wireframing • Prototyping

• Information Architecture • Usability

Testing • Data Analysis • Affinity mapping

• Problem solving

Software

Figma • Optimal Workshop • SQL Server

• Python • Microsoft 365 • ArcGIS •

QGIS • Access DB • HTML • QAQC •

Safety • MX Deposit • Logchief •

AcQuire

Personal

Communication • Teamwork •

Adaptability • Good sense of humour •

Empathetic • Focused • Passionate •

Independent • Helpful • Strategic thinker

• Continuous learner • Creative • Honest

Education:

Designlab

UX Academy 2024

Virginia Tech

M.Sc. Geoscience GPA: 4.0/4.0

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

Virginia Tech

B.Sc. Geoscience

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

Certificates:

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

ConsMin

May 2020-April 2021 Pilbara Region, WA, AUS

Project Exploration Geologist

- 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

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

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's success.

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.

Newmont

June 2017- June 2019

Mine Geologist at Exodus and Chukar Undergrounds Carlin, NV, USA

- Preformed ore control duties: underground mapping, making ore calls, and data input
 - o 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