

NATALIE MOORE

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WORK EXPERIENCE

WWU Mars Group Data Analyst (during undergrad)

Western Washington University

📅 04/2017 – 6/2018

📍 Bellingham, WA

- Worked with Curiosity rover data from the Mastcam multispectral instrument.
- Classified the composition differences of Gale Crater using an IDL-backed interface.
- Created a backlog spectroscopy database of the landscape classifications grouped by target name and sol number.
- Modeled relationships between database variables for the Curiosity team at NASA to better analyze Martian geology.
- Presented a comprehensive guide of my work for future mission analysis, specifically Perseverance.

Data Technician (internship)

RPS (form. Evans-Hamilton)

📅 02/2019 – 07/2019

📍 Seattle, WA

- Assessed the quality of oceanographic data through MATLAB by analyzing time-dependent arrays and figures.
- Optimized MATLAB code for daily operations.
- Created weekly reports for the United States Army Corps of Engineers and the Environmental Protection Agency.

Program Educator

Pacific Science Center

📅 06/2018 – 01/2019

📍 Seattle, WA

- Guided science center guests through science experiments and activities.
- Taught STEM principles during private events.

Data Processor

University of Washington

📅 11/2018 – 02/2019

📍 Seattle, WA

- Manually processed data from over 10,000 applications into the UW CRM for admittance into the Fall 2019 school year.

Physics Laboratory Teaching Assistant

Western Washington University

📅 07/2016 – 06/2017

📍 Bellingham, WA

- Lead weekly lab sessions.
- Graded labs and proctored assessments.
- Calibrated instruments and corrected inventory.

EDUCATION

Data Science Certificate

University of Washington

📅 04/2019 – 05/2020

- DATASCI400 Processes and Tools
- DATASCI410 Methods for Data Analysis
- DATASCI420 Machine Learning

B.S. Geophysics

Minors: Astronomy and Math

Western Washington University

📅 09/2012 – 06/2018

Geophysics major with a focus on Planetary Science

TECHNOLOGIES

Python

MATLAB

ArcGIS

Shell

SQL

Java

R

IDL

Machine Learning

Data Processing

Data Modeling

Data Analysis

Geo/Planetary Science

Remote Sensing

REFERENCES

Maya Whitmont

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Dr. Regina Barber deGraaff

@ WWU/Spark Science Podcast

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Dr. Melissa Rice

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Mojdeh Vahid

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