

# Hannah Proffitt, M.S.

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## QUALIFICATIONS SUMMARY

- **Researcher:** Evaluate 2D and 3D seismic data. Process and image data collected from the field. Comprehensive understanding of seismic attributes, horizon interpretation, and velocity models based on depth vs time. Able to run data through various software and computer languages.
  - **Scientist:** Ensure appropriate science protocol and methodologies. Investigate earthquake hypocenters and magnitude to solve temporal-spatial migration. Conduct experiments and investigations to advance scientific knowledge of seismic. Interpret the Earth's subsurface.
  - **Mathematician:** Quantitate statistical/calculus methods to research analysis.
  - **Relevant Coursework:** Seismic Data Analysis & Interpretation, Advanced Geophysics, Engineering Statistics I, Geophysical Numerical Methods, Interpretation of Seismic Data in Carbonates, Geological Log Analysis, Deep Water Systems, Electromagnetics I, Mechanics I, Calculus I/II/III, Physics I/II/III.
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## EDUCATION

- **Bachelor of Science | Geophysics** – University of Kansas **2015 - 2019**
    - *Study Abroad Year* – University of Newcastle, NSW, AUS **2017 – 2018**
  - **Master of Science | Geophysics (3.79 GPA)** – University of Kansas **2022 - 2024**
    - *Corinth Rift Laboratory (Course)* – Nafpaktos, Greece **2022**
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## HIGHLIGHTED EXPERIENCE

### GRADUATE RESEARCH ASSISTANT | UNIVERSITY OF KANSAS | **CCUS - CO2 Sequestration**

2022 - 2024

- Skillfully configured, installed, and processed data on six Raspberry Shake 3D seismographs.
- Performed remote troubleshooting on six seismic stations in the field.
- Processed 250+ days of earthquake events from six seismometers.
- Identified pre-existing faults in the subsurface using earthquake data.

### UNDERGRADUATE RESEARCH ASSISTANT | UNIVERSITY OF KANSAS | **Induced Seismicity**

2018 - 2020

- Harvested data from 14 seismic stations in Sumner Co, KS.
- Delivered monthly earthquake catalogs to supervising PhD student.
- Made updates and corrections to processing manual.
- Identified primary and secondary waves when picking earthquakes.

### TEACHING ASSISTANT AND ACADEMIC TUTOR | UNIVERSITY OF KANSAS | **Math & Geology**

2016 - 2018

- Assisted 20 geology students on assignment questions and homework.
- Taught Calculus I and Introduction to Geology twice a week.
- Planned reviews and practice problems weekly.

~ Additional information and available at [www.hannahproffitt-geologist.com](http://www.hannahproffitt-geologist.com) and LinkedIn ~