

FAITH WALTON

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SUMMARY

Senior undergraduate student at the University of Houston seeking an MS position in the area of basin analysis.

EDUCATION

University of Houston: 2019-2023, Current GPA: 3.445

Bachelor of Geology with Minor in Geophysics and Minor in Energy and Sustainability

- In addition to all core Geology courses, my coursework includes:
 - Paleobiology, Electromagnetic Methods for Exploration, Data Analytics and Machine Learning for Geoscientists, Geospatial Analysis and Applications, Politics of Energy and the Environment
- GeoSociety: Vice President, President, January 2022-Present
 - Through new initiatives, we expanded member growth during 2022 by 150%. Events which I organized focused on community outreach and early STEM education.

EXPERIENCE

- 06/2021-08/2021** Mickey Leland Environmental Intern, *Texas Commission on Environmental Quality: Region 12, Houston, Texas*
- Completed technical reports for the Waste Section of the Emergency Response Unit.
 - Accompanied Environmental Investigators into the field.
- 06/2020-08/2020** Osgood Center for International Studies Intern, *Virtual*
- Wrote research summaries and reports as well as submitted a final research paper.

RESEARCH EXPERIENCE

- 03/2022-Present** Undergraduate Research Assistant, *Conjugate Basins, Tectonics, and Hydrocarbons Consortium, University of Houston*
- Senior Honors Thesis: "Structural restoration of submarine and coalesced pull-apart basins in the northern Gulf of California."
 - Thesis work includes gravity and magnetic interpretation as well as 2-D structural restorations.
 - Digitization of physical copies of data and other resources kept at the lab.
- 12/2022-Present** Baja Basins International Research Experience for Students Intern, *University of Missouri, Kansas City*
- Identified research area and conducted field work over 4-week field session.

SKILLS AND ACTIVITIES

Skills: ArcGIS, Jupyter Notebook, StructureSolver

Additional Activities at UH:

- NSM Student Leadership: Peer Mentor, May 2021-May 2022
- Honors College: Member, 2019-Present
- Omicron Delta Kappa: Member, 2020-Present
- SEG Wavelets: Social Media Chair, August 2020-May 2021