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# Cory Hughes He|Him

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## TRANSFERABLE SKILLS/KNOWLEDGE

- Data integration and creative problem solving
- Remote sensing image processing and analysis (e.g., photogrammetric analysis, hyperspectral analysis, ground-truthing remotely sensed data, etc.)
- GIS principles and software (e.g., ENVI, ESRI, Agisoft, etc.)
- Programming; Python, R, IDL, MatLab
- Geospatial data analysis (e.g., regression, classification, clustering, PCA, etc.)
- Data acquisition, curation, and management
- Data visualization (e.g., matplotlib, ggplot, photoshop, illustrator, cartography, etc.)
- Project management and leadership
- Technical writing
- Field geology and land surveying (stratigraphy, sedimentology, UAV, etc.)
- Numerical Modeling

## WORK EXPERIENCE

**Remote Sensing Scientist, Doctoral Fellow, Teaching Assistant, University of Arkansas** 2020 - present

- First authored one (submitted) and co-authored two peer-reviewed scientific studies
- Leader of three independent GIS-based research projects focused on the surface of Earth and Mars
- Presented at 10+ conferences to various audiences using data visualization and visual communication
- Taught four semesters of practicums for introductory geology courses

**Graduate Researcher & Teaching Assistant, Western Washington University** 2018 - 2020

- First authored one and co-authored three peer-reviewed scientific studies
- Co-led selection and mapping effort for NASA's Perseverance Rover Landing site, Jezero crater, Mars
- Collaborated on three projects using NASA Orbiter/Rover data from Mars as a NASA Student Scientist
- Taught six quarters of practicums for introductory geology courses

**Undergraduate & Post-Baccalaureate Researcher, University of Texas at Austin** 2014 - 2018

- First authored one and co-authored three peer-reviewed scientific studies

## EDUCATION

**Ph.D., Geology** *expected* - 2024  
University of Arkansas

**M.Sc., Geology** 2020  
Western Washington University

**B.Sc., Major in Geosciences, Double Minor in Business** 2017  
The University of Texas at Austin, Jackson School of Geosciences

## PUBLICATIONS

Lead author on two peer-reviewed publications. Co-author on eight peer-reviewed publications. A full and up-to-date list of my publications can be found on my [Google Scholar page](#).

## HONORS & REWARDS

U of A Doctoral Academy Fellowship 2020 - 2024  
Association for Women Geoscientists – Summer Scholarship 2021  
Haley & Aldrich DEI Essay Contest Winner 2021  
Ross Travel Grant 2019  
SETI Institute LPSC Travel Grant 2016

List of references, professional and personal, available upon request.