

Kelsi Ustipak

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EDUCATION

M.S., Geological Sciences, The University of Texas at Austin, 2015

B.A., Geology, University of Minnesota, Twin Cities, 2012

CERTIFICATION

Geoscientist-in-Training, Texas Board of Professional Geoscientists & ASBOG
Certificate #GIT-199, Issued December 2016

GEOSCIENCE EXPERIENCE

Clastic Reservoir Geologist **Jan 2016 to Dec 2016**
Badley Ashton America, Inc. **Houston, TX**

- Performed geologic consulting for petroleum exploration companies as part of the six-person Deepwater Team in an international oil and gas consultancy
- Provided 3D conceptual visualizations of reservoirs to clients to better predict oil production in complex Miocene Gulf of Mexico wells
- Integrated multiple geophysical logs and geologic datasets (borehole resistivity images, gamma ray, neutron/density, structural dip, fault/fracture analysis, grain size, sedimentology, and porosity/permeability plugs) using Terrastation software
- Duties included data analysis in Excel, preparing technical reports in Word, and delivering PowerPoint presentations to clients on strict project deadlines
- Collaborated with United Kingdom-based team members by phone, Outlook, video conferencing, and file sharing via company servers

Graduate Research Assistant **Aug 2013 to Dec 2015**
Jackson School of Geosciences **Austin, TX**
The University of Texas at Austin

- Conducted sedimentology research with field work in West Texas, which included applying for federal research permits, planning for team safety, strategizing field data collection methods, and supervising two field assistants over two field seasons
- Managed Excel database of 150 sandstone samples and subsamples from 25 National Park field sites in compliance with federal reporting standards
- Created unique Esri ArcGIS geodatabase of Brushy Canyon Formation sandstone thickness for the 10,000 sq. mi. Permian Delaware Basin by compiling printed maps, data tables, georeferencing coordinates, and cross-referencing DrillingInfo API data
- Independently drafted stratigraphic columns, interpreted 2D cross-sections, and scientific illustrations with Adobe Illustrator, Photoshop, and Microsoft PowerPoint
- Analyzed rock samples with thin sections, petrographic microscopes, high-resolution image scans, and laser particle size analysis using a Mastersizer 3000 to generate quantitative grain size data for classifying subtypes of turbidite facies
- Presented four posters and one conference talk to international geology audiences

Hydrogeology Research Specialist
Department of Earth Sciences
University of Minnesota - Twin Cities

July 2012 to June 2013
Minneapolis, MN

- Supported springshed assessments and hydrogeologic mapping for MN DNR County Geologic Atlas Program by performing technical work for 13 fluorescent dye traces in karst areas of Southeast Minnesota as part of an LCCMR project
- Contributed to five DNR technical reports by creating qualitative breakthrough curves and mapping potential groundwater flow pathways
- Conducted weekly site visits (sampling, field notes, GPS data) and geochemical analysis using spectrofluorometer measurements and analysis with Peakfit software to monitor dye intensity in samples over time
- Cataloged physical samples and managed digital Excel databases for all traces
- Trained and supervised four NSF research interns in both field and lab settings, including QA/QC of their data and interpretations for final poster products

VOLUNTEERISM

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| American Institute of Professional Geoscientists | 2018 |
| <ul style="list-style-type: none">• Coordinator for Student Social Hour in Minneapolis-St.Paul area• Judge for Anoka-Hennepin District K-12 STEM Fair | |
| Geological Society of America | 2014 to 2016 |
| <ul style="list-style-type: none">• Mentor with On To the Future• Vice Chair to the Student Advisory Council• Student Representative to the Sedimentary Geology Division | |
| The University of Texas at Austin | 2013 to 2015 |
| <ul style="list-style-type: none">• Mentor & Coordinator for Students Raising Students• Mentor for Intellectual Entrepreneurship Pre-Graduate School interns• Committee Chair for the Best Speaker Awards Selection Committee | |
| The University of Minnesota - Twin Cities | 2009 to 2012 |
| <ul style="list-style-type: none">• Faculty Liaison, Vice President, and Social Chair to Undergraduate GeoClub | |

OTHER EXPERIENCE

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| Cleaning Assistant
Happy Earth Cleaning, LLC | Sept 2017 to Present
Minneapolis, MN |
| Lab Technician
National Lacustrine Core Facility (LacCore), Univ. of Minnesota | Dec 2009 to June 2012
Minneapolis, MN |
| Teaching Assistant (GEO 1001)
Department of Earth Sciences, Univ. of Minnesota | Sept 2011 to May 2012
Minneapolis, MN |
| Front Desk Lead & Faculty Support Staff
Hubert H. Humphrey School of Public Affairs, Univ. of Minnesota | Jan 2008 to Dec 2009
Minneapolis, MN |