

Shan YE

734-548-0205 | yeshantulsa@hotmail.com

EDUCATION

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| 09/2018 – 05/2022
(exp.) | The University of Wisconsin - Madison , Madison, WI
PhD in Geoscience (Paleoclimate, EarthCube Project) |
| 08/2016 – 05/2018 | The University of Tulsa , Tulsa, OK
MS in Geoscience (Geomechanics, Petroleum Geology, Spatial Analysis), GPA 3.89/4.0
President of AAPG TU Chapter, 2017 - 2018
Thesis: Finite Element Analysis of Fold Geometry in a Heterogeneous Matrix |
| 09/2013 – 08/2015 | The University of Michigan , Ann Arbor, MI
Earth and Environmental Sciences, BS received in August 2015 <ul style="list-style-type: none">▪ University Honors, GPA 3.516/4.0 |
| 08/2011 – 05/2013 | The Pennsylvania State University , University Park, PA
Geographic Information Science, GPA 3.69/4.0 <ul style="list-style-type: none">▪ Major GPA: 3.75/4.00, Completed all GIS core courses and most upper-level courses▪ Dean's List in 3 successive semesters |

SELECTED EXPERIENCES

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| 05/2014 – 08/2014 &
09/2015 – 05/2016 | Research Assistant Intern at Institute of Geology and Geophysics
Chinese Academy of Sciences, Beijing, China <ul style="list-style-type: none">▪ Geophysics research program in shale gas▪ Responsible for literature review on shale gas reservoir and related research methodologies |
| 10/2013 – 12/2013 | GIS Analyst at University of Michigan <ul style="list-style-type: none">▪ Collect and manage data from oil wells across the Lower Peninsula, Michigan▪ Generate models of Dundee Limestone and find its intersection with the bottom of Lake Michigan |
| 07/2012 – 08/2012 | GIS Analyst / Field mapping Intern at Huaneng Hulunbei'er Coal & Energy Co., Ltd
Yimin Open Coal Mine, Inner Mongolia, China |
| 08/2012 – 12/2012 | Teaching Intern at The Pennsylvania State University, Pennsylvania
GEOG363 (GIScience core course) |

CONFERENCES & COMPETITIONS

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| 03/2017 | Imperial Barrel Award held by AAPG, Oklahoma City, Oklahoma <ul style="list-style-type: none">▪ Represented University of Tulsa in the competition▪ Used given seismic and well log data to locate oil and gas prospects in New Zealand |
| 10/2013 | China Business Challenge held by China Entrepreneur Network, Ann Arbor, Michigan <ul style="list-style-type: none">▪ Designed a Station Alarm System/Smart-phone App with GIS methods▪ Semi-Final |
| 04/2013 | Association of American Geographers 2013 Annual Meeting , Los Angeles, California <ul style="list-style-type: none">▪ Presentation on <i>GIS Application on Mining</i> |

SELECTED PROJECTS & RESEARCH

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| On-going | Spatial model of induced earthquakes in north-central Oklahoma (Spatial Analysis, Geomechanics) |
| On-going | Geospatial visualization and interactive web map of <i>Classic of Mountains and Seas</i> |
| Fall 2016 | Geomechanics of the M5.8 earthquake in Pawnee, Oklahoma (Geomechanics, Tectonics) |
| Winter 2015 | Automatic song-writing tool (NLP Machine Learning) |
| Fall 2013 – Fall 2014 | The Worldwide Education Impact: with the Case Study of Detroit Public Schools |
| Fall 2013 | Dynamic Digital Maps of Etruscan: History, Archaeology and Relics (GIS, Cartography) |

SKILLS

Computer Skills	Programming: C++, Java, Python, HTML/CSS, JavaScript, VB, MATLAB, R GIS: ArcGIS, GeoDa, QGIS, ENVI Petroleum: Petra, Petrel, Kingdom Others: Microsoft Office (Word, Excel, Access, PowerPoint, Publisher), Stella, Minitab, Mathematica, COMSOL, Google Earth, Photoshop, CorelDRAW, 3ds Max, Abaqus
Languages	Mandarin Chinese, English

ORGANIZATIONS & ACTIVITIES

National:

11/2012 – present	Association of American Geographers (AAG)
10/2013 – present	Geological Society of America (GSA)
10/2016 – present	American Association of Petroleum Geologists (AAPG)
04/2017 – present	Society for Sedimentary Geology (SEPM)

School:

09/2013 – 05/2015	Global Scholars Program , University of Michigan <ul style="list-style-type: none">▪ Student collaborative group facilitator (teaching assistant)
03/2013 – 05/2013	Innovation & Interdisciplinary Collaboration Community , Penn State University <ul style="list-style-type: none">▪ Starting member
08/2012 – 05/2013	GIS Coalition , Penn State University
09/2011 – 05/2013	RoundTabler , the Academic Organization of History at Penn State University

FIELD EXPERIENCES

10/2011	Central Pennsylvania – Wetland ecology & biology
09/2014	Upper Peninsula, Michigan – Mineral sample collecting
Summer 2015	Wyoming, Idaho and Montana – Snake River mapping, Fossil Lake palaeontology, Slide Lake, Cabin Creek & Red Hills mapping