XIAODONG DAISY ZHANG

EDUCATION

Ph.D, Earth Science, University of California, Santa Cruz, CA, USA   **2019-present**
Research topic: Regional Hydrological Variations Along the California Coast During the PETM

M.S, Geology, Texas A&M University, College Station, Texas, USA   **2017**
Thesis: Surface to Subsurface Stratigraphy of the Upper Cretaceous Buda Limestone in West, Central and South Texas.
Specialty: Carbonate stratigraphy, geochemistry, and paleontology

B.Eng. Petroleum Engineering, China University of Petroleum, China,   **2011**
Undergraduate project: Study of the Gas Flooding with the Microbial in Hydrocarbon Reservoirs
Specialty: Engineering

EXPERIENCE

Research Associate and Scientific Editor, China Geological Survey, Beijing   **(Oct 2017- Dec 2018)**

- Evaluate geological investigations sponsored by China Geological Survey (CGS)

- Manage journal publishing *CHINA GEOLOGY (*official English journal by CGS)

- Supervise manuscript production process with ScholarOne System and Elsevier platform, and proficient in online first and open access publishing operations.

Research Consultant (Geology), Atlantes Geoconsulting, Houston, TX   **(Internship, Feb – May 2016)**
Give expert advice on outcrop analog of Cretaceous unconventional carbonate reservoir Eagle Ford and Buda Formations in west Texas.

Teaching Assistant, Department of Geology & Geophysics, Texas A&M University   **(2015-2017)**

- Taught BSc geology courses on Stable isotope, Sedimentology and Stratigraphy, and Individual Research Project.

- Instructor on core labs courses, including core sample analysis, descriptions and mapping

- Guided students in the Field Trip to Bastrops, TX for outcrop practice

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SKILLS

Analytical and innovative thinking

- Six years of research and collaboration within international environment have structured my mind to think critically, including foreseeing problems, identifying potential challenges, and seeing opportunities, providing efficient and cost-effective solutions.

- I prefer to think out of the box and be creative. I consider all possible solutions, including those that sound unfeasible at first sight, and learn from what worked and what did not.

Teamwork, independence, and project management

- I developed professional working relationships with my supervisors and colleagues. I can work without close supervision, managing project progress by setting and meeting deadlines, and managing own work motivations.

Communication, writing and language

- Working in multi-disciplinary and multi-national groups since 2011, I can communicate with individuals/groups from different backgrounds, propose project plans, discuss results and respond to questions in precise ways.
- Presented at international AAPG, GSA and GCAGS conferences.

Computer skills
- Proficient in Python, Petrel, Kingdom (IHS), Techlog, Microsoft office, Mac OS system

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SELECTED PUBLICATIONS

- **Zhang, X**., Tipple, B., Zhu, J., Zachos, J. 2020, Regional hydrological variations along the California Coast during the PETM: *AGU Fall meeting 2020*.

- **Zhang, X**., and M.C. Pope, 2017, High-resolution facies analysis and depositional architecture of the Buda Formation in central Texas: *67TH Gulf Coast Association of Geological Societies Annual Convention*, San Antonio, Texas.

- **Zhang, X**., and M.C. Pope, 2017, Re-defining depositional model of the Buda Formation utilizing outcrops from west Texas and cores from south and central Texas: *100th AAPG Annual Convention & Exhibition, Houston*, TX.

- **Zhang, X**., and M. C. Pope, 2016, Surface to subsurface stratigraphy of the Upper Cretaceous Buda Formation in West Texas: Gulf Coast Association of Geological Societies Transactions, v. 66, p. 1087.

- **Zhang, X**., and J. Grigsby, 2013, Subsurface Stratigraphy of the Eocene Cocoa Sand Member in Mississippi and Alabama: Geological Society of America, Vol.45, NO.2. p 149.

HONORS & AWARDS

- University of California, Santa Cruz:
  AEPSO Fellowship (2019-2021)
- Texas A&M University:
  Chevron Fellowship, Basin Modeling Program (2014-2015)
- Ball State University:
  17th Annual Student Symposium Award Winner (2012)
- China University of Petroleum:
  College Scholarship for Student Especially Good at cultural and sports (2007/2008/2009)