

TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Shelly Wernette Title: Dr.

B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
Ph.D.	2020	U of CA Riverside	Geological Sciences	“Late Cambrian (Furongian) and Lower Ordovician (Tremadocian) trilobites of Sibumasi”
M.S.	2015	U of Oklahoma	Geology	“Middle Cambrian (Drumian) corynexochid trilobites of the Cow Head Group, western Newfoundland”
B.S.	2012	U of Oklahoma	Geology	“New dikelocephaloidean trilobites (Arthropoda) from the Late Cambrian Notch Peak Formation, east-central Nevada”

C. University Experience

Texas State University, Senior Lecturer: Fall 2021-present

University of California, Postdoctoral Scholar: July 2020-July 2021

University of California, Graduate Teaching Assistant: December 2016-June 2019

University of Oklahoma, Graduate Teaching Assistant: August 2013-May 2015

University of Oklahoma, Undergraduate Research Assistant: January 2010-December 2012

D. Relevant Professional Experience

Geology Intern (May–August 2013)

Chaparral Energy, Oklahoma City, OK

Analyzed well logs to prepare structural and isopach maps to plan well placement

Math Instructor (January–May 2013)

Mathnasium, Flower Mound, TX

Provided one-on-one math tutoring and instruction for 2nd grade – calculus

Nature Studies Activity Staff (May–August 2011)

Texas Lions Camp, Kerrville, TX

Planned and led educational nature and barnyard activities for kids with physical disabilities

E. Other Professional Credentials (licensure, certification, etc.)

II. TEACHING

A. Teaching Honors and Awards:

Nominee for Presidential Excellence in Teaching Award, Texas State University (Spring 2024)

Outstanding Teaching Assistant, University of California Riverside (Spring 2018)

The Provost's Certificate of Distinction for Outstanding Graduate Teaching Assistant, University of Oklahoma (Spring 2014)

B. Courses Taught:

Texas State University, San Marcos, TX – Lecturer

Economic Geology (Spring 2024)

Physical Geology (Spring 2022–2024)

Structural Geology (Fall 2021–2023)

Earth's Materials (Fall 2021–2023)

University of California, Riverside, Riverside, CA –Instructor

Earth's Crust and Interior (2016–2019)

University of California, Riverside, Riverside, CA – Teaching Assistant

At Home in the Universe (2016–2019)

Headlines in History (2017–2019)

Mapping and Landforms (2018)

University of Oklahoma, Norman, OK –Teaching Assistant

History of Earth and Life (2014–2015)

Invertebrate Paleontology (2015)

Bartell Field Camp, Cañon City, CO (2014)

Introduction to Field Geology (2014)

Physical Geology for Scientists and Engineers (2013)

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Senior Theses:

Ernest Jackson, University of California, Riverside (Summer 2021): *Taphonomic comparisons of late Furongian sections from the Shan State - working title*

Yuka Oshima, University of California, Riverside (Summer 2020): *The late Cambrian (Furongian) section at Yiwanshui: Context, stratigraphy, and initial faunal analysis*

D. Courses Prepared and Curriculum Development:

Economic Geology (Spring 2024)

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

2. Submitted, but not Funded, External Teaching Grants and Contracts:

3. Funded Internal Teaching Grants and Contracts:

4. Submitted, but not Funded, Internal Teaching Grants and Contracts:

F. Other:

G. Teaching Professional Development Activities Attended:

University Teaching, an online course by the University of Hong Kong: Dec 2022–Jan 2023

Developing Outcomes and Methods to Assess Student Improvement: Sep 1, 2021

Non-Tenure Line Faculty Orientation: Aug 18, 2021

New Faculty Orientation: Aug 17, 2021

Setting Your Intentions: Inclusive Syllabus Design: Aug 11, 2021

Kognito's "At Risk for university & College Faculty Training: Aug 7, 2021

URGE (Unlearning Racism in Geosciences) Program: Jan–Apr, 2021

Normalizing Adaptive Technology in the Classroom, an AHEAD (Association of Higher Education and Disability) webinar: Feb. 25, 2021

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

e. Creative Books:

2. Articles:

a. Refereed Journal Articles:

Wernette, S.J., Hughes, N.C., Myrow, P.M., Sardud, A. 2023. Trilobites of Thailand's Cambrian-Ordovician Tarutao Group and their geological setting. *Papers in Palaeontology*. <https://doi.org/10.1002/spp2.1516>

Fortey, R.A., Wernette, S.J., Hughes, N.C. 2022. Revision of FRC Reed's Ordovician trilobite types from Myanmar (Burma) and western Yunnan Province, China. *Zootaxa*, 5162(4), 301-356.

Hughes, N.C., Peng, S.C., Harper, D., Myrow, P.M., Pham, N., Wernette, S.J., Zhu, X.J. 2022. Cambrian and earliest Ordovician fauna and geology of the Sông Đà and adjacent terranes in Việt Nam (Vietnam). *Geological Magazine* 159, 55-80

Wernette, S.J., Hughes, N.C., Myrow, P.M., Aung, A.K. 2021. Initial description of Cambrian fossils from Myanmar: Late Furongian trilobites from the southern part of Shan State and the Cambrian palaeogeographical affinities of Sibumasu. *Journal of Asian Earth Sciences* 214, pp 22.

Wernette, S.J., Hughes, N.C., Myrow, P.M., Sardud, A., 2020. The Furongian (late Cambrian) trilobite *Thailandium*'s endemism reassessed along with a new

species of *Prosaugia* from Ko Tarutao, Thailand. *Thai Geoscience Journal* 1(1), 63-82.

Wernette, S.J., Hughes, N.C., Myrow, P.M., Sardis, A., 2020. *Satunarcus*, a new upper Cambrian trilobite genus from southernmost Thailand and a reevaluation of the subfamily Mansuyiinae Hupé, 1955. *Journal of Paleontology* 94(5), 867-880.

Wernette, S.J., Westrop, S.R., 2016. The mid-Cambrian (Drumian; Marjuman) trilobites *Athabaskiella* Raymond 1924 and *Bathyuriscidella* Rasetti 1948 (Dolichometopidae) from Quebec and Newfoundland, eastern Canada. *Australasian Palaeontological Memoirs* 49, 145-180.

b. Non-refereed Articles:

Abbott, S.S., King, D.J., Leckey, E.H., Muscente, A.D., Ortega-Ariza, D., Poole, C.R., Riedman, L.A., Tang, Q., Wernette, S.J., 2015. Reflections on major themes in current stratigraphy by early career scientists and students. *The Sedimentary Record* 13(4), 12-14.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Essays:

8. Poems:

9. Short Stories:

10. Other Works in Print:

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

2021 IGCP 668 – online at Tsukuba University, Japan

Oral Presentation, *Sibumasu paleogeography: a Cambrian–lower Ordovician trilobite perspective*

2020 GSA Connects – online

Oral Presentation, *Sibumasu provides new insights into the northern Gondwanan margin across the Cambro-Ordovician boundary*

Poster Presentation, *Using diverse approaches to resolve a late Cambrian faunal*

- assemblage from Thailand*
- 2020 IGCP 668-GeoMyanmar joint meeting – Yangon, Myanmar
Oral Presentation, *Cambrian trilobites of the Southern Shan State*
- 2019 GSA– Phoenix, AZ
Oral Presentation, *Ashes and trilobites in Thailand: the key to dating the Cambrian-Ordovician boundary*
- 2019 North American Paleontological Convention – Riverside, CA
Oral Presentation, *Improved biostratigraphy for the Tarutao Group, Thailand and its global significance*
- 2018 IGCP 668 Inaugural Meeting – Bangkok, Thailand
Oral presentation, *New trilobite fauna from the Tarutao Group, Thailand and their biostratigraphic and paleogeographic significance*
- 2017 16th Puzzling Out Gondwana Conference – Bangkok, Thailand
Oral presentation, *Furongian palaeogeography of the Shan-Thai Block*
- 2017 Dayangcha International Workshop on the Cambrian-Ordovician Boundary – Changchun, China
Oral presentation, *Geochronologic contributions of Sibumasu in the late Furongian and earliest Tremadocian*
- 2017 6th International Conference on Trilobites and their Relatives – Tallinn, Estonia
Oral presentation: *New upper Cambrian trilobites from Thailand and Myanmar and their stratigraphic significance*
- 2016 GSA Cordilleran Regional Meeting – Ontario, CA
Oral presentation, *Size frequency distribution biases in horseshoe crab molt assemblages: implications for the fossil record*
- 2015 GSA South Central Regional Meeting – Stillwater, OK
Poster presentation: *Middle Cambrian (Drumian) corynexochid trilobites from the Cow Head Group, western Newfoundland*
2. Invited Talks, Lectures, and Presentations:
- 2021 IGCP 668 – online at Tsukuba University, Japan
Invited lecture on trilobites
- 2021 IGCP 668 – online at Tsukuba University, Japan
Invited panelist on “How young researchers can become a professional researcher”
- 2017 DMR-CCOP-THCU Technical Seminar on Biostratigraphy and Karst Morphology of Satun Aspiring Geopark – Bangkok, Thailand
Invited Speaker, *Late Cambrian paleontology of the Tarutao Formation*
- 2016 Friends of Mineralogy, Mineral Locality Symposium – Cadiz, CA
Invited Speaker, *Fauna of the Latham Shale*
3. Consultancies:
4. Workshops:
5. Other Works not in Print:
- a. Works "submitted" or "under review":

b. Works "in progress":

c. Other Works Not in Print:

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Specified personnel in NSF Sedimentary Geology and Paleontology program grant EAR-1849963 - \$287,046

UNESCO/IUGS IGCP Project 668 (ongoing, \$10,000 in first year)

Lerner-Gray Memorial Fund (May 2017) - \$1,200

Evolving Earth Student Research Grant (April 2017) - \$3,000

Geological Society of America Student Research Grant (April 2017) - \$1,775

David Worthington Named Grant (March 2017) – American Association of Petroleum Geologists - \$3,000

Allison R. “Pete” Palmer Award (April 2016 and April 2017) – Paleontological Society - \$800

STEPPE Student/Early Career Travel Award (May 2015) – ICS-NSF Vouchering the Stratigraphic Record Workshop - \$3,000

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

Dissertation Year Program (Fall 2019-Spring 2020) – University of California, Riverside

Provost Research Fellowship (Fall 2015-present) – University of California, Riverside

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Scholarly / Creative Fellowships, Awards, Honors:

Mewbourne College of Earth and Energy Outstanding Senior (2013)

Charles N. Gould Outstanding Senior (2012)

Outstanding Mineralogical Student (2010)

National Merit Scholar (2009)

E. Scholarly / Creative Professional Development Activities Attended:

F. Media Recognition:

Newspapers: San Marcos Record (Feb 21, 2024); San Antonio Express (Dec 2, 2023)

Online news sites: SciNews, Popular Science, Science Daily, The Science Times, Know Ridge

IV. SERVICE

A. Institutional

1. University:

Nontenure Line Faculty Committee (fall 2023-present)

UCR Graduate Student Association (2016–2017)

Earth and Planetary Sciences Department Representative

2. College:

3. Department/School:

Scheduling Committee (2023-present)

Geology Cub Advisor (2021-present)

Geology Minor Advisor (2021-present)

Hewett Club Organizer (2018–2019)

Invite and host speakers from across geoscience disciplines for weekly lecture series, including arranging logistics for the talk and the speakers' one-on-one meetings with department members, and lunches with graduate students.

B. Professional:

Paleontological Society:

2023-2024 Sepkoski Committee

IGCP 668:

2020 GeoMyanmar joint meeting – Yangon, Myanmar

Co-organizer

Post-meeting excursion co-leader

2018 Inaugural Meeting – Bangkok, Thailand

Co-organizer

Post-meeting excursion co-leader

2019 North American Paleontological Convention – Riverside, CA

Session chair, *Symposium 13 – The end of the Cambrian “boom and bust” and the onset of the Great Ordovician Biodiversity Event (GOBE): diversity patterns, paleoecology, and paleobiogeography – IGCP 653-668 symposium*

Volunteer: organized field trip departures and paperwork, provided ground transportation for attendees, led field trips to local museums, and assisted with general running of the conference as needed

C. Community:

Boy Scouts of America (2023-present)

Registered Merit Badge Counselor for Geology, Nature, Collections, Soil and Water Conservation, and Sustainability merit badges

Heritage Museum of the Texas Hill Country (2022–present)

Volunteer consultant on paleontological techniques for preparing and preserving fossils

John Knox Ranch (2022-present)

Consultant for developing fossil-centered, place-based educational resources

San Marcos Regional Animal Shelter (2022-2023)

Assist the shelter with dog play/walking and kennel cleaning

Geoscience Development (GEODE) Program (2018–2020)

Provided geologic instruction on high school field trips to Death Valley
Part of a NSF GEOPATHS IUSE grant

Geological Education Outreach Program (GEOP) (2015–2020)

Elementary school presentations
Science Olympiad Coach: Dynamic Planet
Community climate fairs & education events

Pick and Hammer Club (2010 – 2015)

Club outreach: teach introductory rocks and minerals at local elementary schools;
coach the earth sciences divisions of a local middle school's Science Olympiad team

D. Organization Memberships:

IGCP 668, secretary (2018–present)
Paleontological Society (2014–present)
Sepkoski Committee 2023
Phi Beta Kappa (2012–present)
Geological Society of America (2011–present)

E. Service Honors and Awards:

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:
2. Submitted, but not Funded, External Service Grants and Contracts:
3. Funded Internal Service Grants and Contracts:
4. Submitted, but not Funded, Internal Service Grants and Contracts:

G. Service Professional Development Activities Attended: