Rebecca Owens  
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**Performance/Screenwriting Experience**

*Dear Jacob (2021)*I played Mrs. Dolores in the student short-film production, *Dear Jacob*. The director was Brianna Flores of Southern Methodist University. (bcflores2013@gmail.com)

*The Wild Bunch Film Festival (2021)*My first feature-length screenplay, The Nobles, was named a finalist at the 2021 Wild Bunch Film Festival in Willcox, Arizona.

*College Professor (2011-present)*I have been a geology professor since 2011, giving lectures and teaching labs in Physical Geology and Historical Geology to college freshmen and sophomores. It sure feels like a performance!

*Aggie Wranglers (2005-2009)*  
I was a member and officer of the Aggie Wranglers, an exhibition country-western and stunt dance team at Texas A&M University, from 2005-2009. We travelled locally and internationally performing a distinctive style of country-western polka and stunt dancing.

*Piano (1991-present)*I received classical training in piano theory and performance from 1991-1997 (ages 6-12) and memorized full pieces for annual recitals. In addition, I performed as a pianist for our middle school stage band (1996-1997) and as a choir accompanist in high school. Currently, I am the pianist at a large Catholic parish in east Texas.

**Education**

*Doctor of Philosophy (2016-2020)* – Texas A&M University, College Station, Texas  
Department of Water Management and Hydrological Sciences  
Dissertation topic: The Effects of Urbanization on Waterways in the State of Texas; An Assessment of Channel Morphology  
Committee Chair: Dr. John R. Giardino

*Master of Science (2007-2011)* – Texas A&M University, College Station, Texas  
Department of Geology and Geophysics  
Thesis topic: Geology of the McMillan Ranch in Mason, Texas; An Assessment of the Nature of Normal Faults in the Mason Area  
Committee Chair: Dr. Christopher C. Mathewson

*Bachelor of Science (2003-2007)* – Texas A&M University, College Station, Texas  
Department of Education and Human Development

**Teaching Experience**

**Tyler Junior College; Tyler, Texas**   
*2012-present*Since fall of 2012, I have been a full-time professor of geology at Tyler Junior College in Tyler, Texas. I teach four lectures and at least two labs each semester in Historical Geology and Physical Geology in both face to face and online formats.

**Angelina College; Lufkin, Texas**   
*2019-present*Since fall of 2019, I have been an adjunct professor of geology at Angelina College in Lufkin, Texas. I teach a fully online Physical Geology course, including lecture and lab.

**Texas A&M University Texarkana; Texarkana, Texas**   
*2018, 2020*Every other spring, Texas A&M University – Texarkana in Texarkana, Texas offers Physical Geology in an online format. I developed and teach this course as an adjunct professor when it is offered.

**LeTourneau University; Longview, Texas**   
*2019*During the summer of 2019, I was a course developer for LeTourneau University in Longview, Texas. I developed a full online version of Physical Geology to be taught at LeTourneau University by various professors.

**Panola College; Carthage, Texas**   
*2013-2018*From fall of 2013 until spring of 2018, I taught Physical Geology as an adjunct professor for Panola College in Carthage, Texas in the online format. I developed this course into an online course offering for Panola College.

**Texas A&M University – Kingsville***2013*During the summer of 2013 I taught a portion of geologic field camp as an adjunct for Texas A&M University – Kingsville.

**Blinn College; Bryan, Texas**   
*2011-2012*From fall of 2011 to summer of 2012, I taught as an adjunct professor of geology at Blinn College in Bryan, Texas. I taught face to face courses in Physical Geology.

**San Jacinto College - North; Houston, Texas**   
*2011*During my last summer as a master’s student, I taught summer courses as an adjunct geology professor at San Jacinto College, north campus in Houston, Texas. I taught face to face lectures and labs in Physical Geology and Historical Geology.

**Teaching Assistant – Texas A&M University; College Station, Texas***2008-2011*As a master’s student, I worked as a teaching assistant in the courses Geology for Education Majors, Physical Geology, Field Methods in Geology, and Geologic Field Camp.

**Awards and Publications**

* 2021- Co-authored a $49,615 grant proposal funded by NSF to host the 51st Binghamton Geomorphology Symposium, entitled *Geomorphology of the Anthropocene- the 51st Annual Binghamton Geomorphology Symposium*.
* 2020-2021 Mills Scholarship Recipient *Texas Water Resources Institute*"The future and fate of microplastics in fluvial systems; Potential impacts on biogeomorphology of urban rivers."
* 2020 Recipient, 2020 Geosciences Dean’s Disciplinary/Interdisciplinary Initiative Program, *Texas A&M University College of Geosciences*, “The Occurrence of Microplastics in the Fluvial Environment: Headwaters to Mouth of the Rio Grande.”
* Aguilar, R. G., Owens, R., & Giardino, J. R. (2020). The expanding role of anthropogeomorphology in critical zone studies in the Anthropocene. Geomorphology, 107165.
* Owens, R. (2019). Using the United Nations to Teach Systems Science and the Anthropocene. *In the Trenches*, 9(4), 6-8. National Association of Geoscience Teachers.
* Gamache, K., Giardino, J. R., Zhao, P., & Owens, R. H. (2018). Bivouacs of the Anthropocene: Urbanization, landforms, and hazards in mountainous regions. In Urban Geomorphology (pp. 205-230). Elsevier.

**Committees and Professional Organizations:**

* General Education Committee, Tyler Junior College. 2019-present. Chair, 2021-2022.
* Faculty Senate, Tyler Junior College. 2018-2020
* Planning Committee, 51st Binghamton Geomorphology Symposium, 2019-present (postponed by COVID)
* Binghamton Geomorphology Symposium, 2017-present. Steering committee member, 2018-present. Treasurer, 2019-present.
* Texas Community College Teachers Association, 2012-present. Geology section chair, 2018.
* Association of American Geographers, member, 2019-present
* The American Quaternary Association, member, 2019-present

**Research Interests**

* Transport mechanics of microplastics in the fluvial environment
* Response of fluvial systems to land cover alteration
* Zoogeomorphology, anthropogeomorphology
* Evapotranspiration rates and land cover change