

# Alan Barraza

4903B Teri Road  
Austin, TX 78744

915-504-0407  
alanbarraza@utexas.edu

## OBJECTIVE

Obtain a full time position or internship in energy production and exploration, environmental health and safety, water sustainability, resource management, or regulatory analysis

## EDUCATION

Master of Science, Energy and Earth Resources expected Dec 2014  
The University of Texas at Austin, Jackson School of Geosciences  
Cumulative GPA: 3.1133/4.0

Bachelor of Science, Environmental Science - Geoscience Dec 2012  
The University of Texas at El Paso  
Cumulative GPA: 2.98/4.0

## RELEVANT COURSEWORK

GIS and GPS Applications in Earth Science, Groundwater Resource Evaluation, Energy Technology and Policy, Reservoir Geology and Advanced Recovery, Environmental/ Resource Economics and Policy, Environmental Management Systems, Environmental Law and Policy, Structural Geology, Sedimentology and Stratigraphy, Mineralogy, Soil Genesis, Financial Planning and Policy for Large Corporations: Valuation with an Energy Focus

## SKILLS

- GIS, Fledermaus, MATLAB, Surfer, RockJock11, ICP-OES, X-ray Diffractor, MS Office, Adobe Illustrator
- Environmental Assessments, Environmental Management Systems
- EPA NPDES Permit Writer's Course, Laboratory Safety, Radiation Safety, Customer Service Training, Ethical Research Training, Driver's Training, HAZWOPER Certification, HAZWOPER Supervisor Certification, US Army Petroleum Oil and Lubricants (POL) Handlers Course, HAZMAT Material Handlers Course
- Limited working proficiency in Spanish

## EXPERIENCE

Texas Commission on Environmental Quality (TCEQ) via Goodwill Staffing Services Jun 2013 – Dec 2013  
Intern – Industrial Wastewater Permit Writer Austin, Texas

- Reviewed and evaluated permit applications, reports, laboratory analyses, certifications, and other submittals to draft industrial wastewater permits according to applicable state and federal regulations and statutes
- Participated in team projects researching pertinent information for Division level goals
- Corresponded with applicants concerning permit status and to obtain pertinent information needed to draft their permit
- Provided information to external customers through verbal communication and correspondence

University of Texas at El Paso, Department of Geological Sciences Aug 2011 – Dec 2012  
Research Assistant El Paso, Texas

- Research under Dr. Lixin Jin; "Impact of Climate Change on Soils in a Climate Sensitive Area of Colorado."
- Gained experience digesting samples in the lab, analyzing using ICP-OES and X-ray diffractor, analysis using RockJock11 program data analysis and interpretation

Sevilleta National Wildlife Refuge Longterm Ecological Research May – Aug 2012 & May – Aug 2011  
 Research Experience for Undergraduates/ Intern Socorro, New Mexico

- Conducted independent research under the guidance of Dr. Les Mcfadden (University of New Mexico); “Soils and Landforms as Key Abiotic Factors in the Sevilleta National Wildlife Refuge – Eastern Los Pinos Mountains.” <http://sev.lternet.edu/content/alan-barraza>
- Participated in team building activities, scholarly seminars, and a research symposium
- Worked with researchers collecting data, setting up field experiments, collecting and sorting biomass, and taking apart old field experiments

Rhino Environmental Services, Inc. Aug 2007 – May 2008  
 Environmental Administrative Assistant El Paso, Texas

- Specialized in hydrocarbon contaminated soil and water remediation projects
- Collected, analyzed, prepared, and submitted soil and liquid samples for further analysis
- Maintained client files, prepared for and tracked progress on projects, produced reports, communicated with clients, projected and submitted cost analysis, finalized invoices, and oversaw and managed projects

US Army May 2004 – Sep 2007  
 Petroleum Supply Specialist Fort Bliss, Texas

- Supervised a squad of 5 personnel, which included maintaining a high level of health and welfare, training in basic soldier skills, ensuring tasks were effectively and efficiently completed, maintaining a safe working environment, and providing mentoring and guidance
- Accounted for the receiving, storing, accounting for, dispensing, issuing, and shipping of bulk or packaged petroleum and lubricants products
- Trained the unit in proper Petroleum, Oil, and Lubricants (POL) handling techniques to avoid environmental impacts and costly remediation
- Worked closely with Fort Bliss Directorate of Public Works - Environmental Division and EPA to develop emergency response plans.

**HONORS AND AWARDS**

West Texas Graduate School Fellowship 2013-2014  
 Reese Rowling Endowed Scholarship 2012  
 Army Achievement Medal (3<sup>rd</sup> Award) 2004-2007  
 National Defense Service Medal 2002

**PROFESSIONAL ORGANIZATIONS**

Energy Resources Group (ERG) 2013 - present

- Network Coordinator – Promotion of the ERG and Energy and Earth Resources (EER) graduate program through social media and other electronic means
- Creating the means for ERG and EER students, faculty, and supporters to connect with each other, share ideas, promote the programs, build group cohesion, celebrate achievements, and network

UT Energy Forum 2013 – present

- Marketing Committee – website maintenance, Facebook and Twitter promotion, distribution of all event emails, and production and distribution of hard-copy event materials and signs

Geological Society of America 2011 – present  
 Young Professionals in Energy 2012 – present  
 American Association of Petroleum Geologists 2014 - present