

Priscyla Marquez

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EDUCATION

NEW MEXICO STATE UNIVERSITY | Las Cruces NM
Bachelor of Science in Civil Engineering / Minor: Mathematics

Expected graduation in May 2020
GPA: 3.96

EXPERIENCE

Environmental Engineering Research Assistant | NM State University, Las Cruces NM Oct '17- Present
Center for Bio-mediated and Bio-inspired Geotechnics (CBBG) and New Mexico AMP URS Program

- Water quality modeling: Surface complexation modeling of selenium sorption on iron-modified zeolites
- Assist in preparing and conducting experiments.

Research Experience for Undergraduate (REU) | NM State University, Las Cruces NM Jun '19- Aug '19
Center for Bio-mediated and Bio-inspired Geotechnics (CBBG) and New Mexico AMP URS Program

- Conducted research on water quality management by modeling the sorption of selenate and selenite on iron modified zeolites using a triple layer surface complexation model (TLM).
- Created and presented a research poster at a research symposium.

Research Experience for Undergraduate (REU) | NC State University, Raleigh NC Jun '18- Aug '18

- Investigated the removal of phosphate from wastewater using lanthanum carbonate nanoparticles.
- Collected, analyzed and interpreted data.
- Created and presented a research poster at a research symposium.

LEADERSHIP & ACTIVITIES

President | ASCE NM State University Chapter Aug '19 –Present

- Provide the direction and leadership of the organization.
- Delegate and supervise routine operations to other elected officers.

Vice President | ASCE NM State University Chapter Jan '19 – May '20

- Organized community service events.
- Kept track of member's attendance and community service hours.

Vice President of Fundraising | ASCE NM State University chapter Aug '18 – Dec '18

- Made risk analyses and balance time-cost ratios to focus effort on the fundraising activities that had the highest rate of return.
- Recruited, organized and managed volunteers to carry out various functions within the event.

Chi Epsilon Civil Engineering Honor Society | NM State University chapter Aug '18- Present

- Member

Engineering Council Representative | SHPE NM State University chapter Aug '17- Dec '17

- Represented SHPE in the Engineering Council. Performed activities within the council to increase organization funds.

SKILLS

- Software: Microsoft Office, Excel, HYDRAQL
- Languages: Fluent in English and Spanish
- Familiar with laboratory equipment, standard procedures, design and performance of experiments.

AWARDS & SCHOLARSHIPS

NSF S-STEM Scholar Jan '18- Present

New Mexico Alliance for Minority Participation (NM AMP) Undergraduate Research Scholar Jan '18-Present

First place in technical paper, ASCE Regional Student Conference April 2019

Crimson Scholar, New Mexico State University, Las Cruces New Mexico Aug 2016-Present