

## First Last Name

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Diverse Chemical Engineering student with experience in computer simulation, modeling, fabrication and product design. Participated in multiple field testing experiments for data collection and analysis. Provided mission support to Chemical Response Teams through providing operational information and logistical support.

### Education

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<b>Bachelors of Science in Chemical Engineering</b> New Mexico State University, Las Cruces, NM	<b>Expected May 2019</b> GPA: 3.33
<b>Bachelors of Science in Biology with Minors in Chemistry and Biochemistry</b> New Mexico State University, Las Cruces, NM	<b>May 2013</b> GPA: 3.36

### Research Experience

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**Los Alamos National Laboratory Undergraduate Researcher: Intern** **May 2018-August 2018**  
*Los Alamos County, Los Alamos, New Mexico*

- Analysis of Hydrogen evolution properties of aqueous micron length metallic powder filaments when exposed to heat and agitation in waste containers.
- Provided technical and research support for seven different research projects ranging from field work to material sourcing and purchasing.
- Innovated, fabricated and implemented material support devices which allowed for the remote testing of highly hazardous chemicals and explosives.
- Responsible for field measurements of spectral data gathered from field testing of dissemination devices and on site fabrication of test arrays with a six-person research team in Indian Head, Maryland.

**Department of Chemical & Materials Engineering Student Researcher** **April 2016-June 2016**  
*New Mexico State University, Las Cruces, New Mexico*

- Responsible for the synthesis of Reduced Graphene Oxide (RGO) for use in the purification of water contaminated with heavy metals.
- Responsible for testing different RGO composites in Hydrogen Evolution Reactions (HER) for applications in semiconductors.
- Report weekly in a research group environment and discuss the implications of results.

### Work Experience

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**Campus Tutoring Services, Student Success Center, Tutor (CRLA Certified)** **February 2017-Present**  
*New Mexico State University, Las Cruces, New Mexico*

- Assist students with study techniques in the areas of; Biology, Chemistry, Biochemistry and Chemical Engineering.
- Adept at creating study materials in a variety of academic subject to help students improve their test scores and GPAs.
- Over the Summer of 2017 I helped four students earn A's in Organic Chemistry by making a study plan that focused on time management and concept comprehension.

**ICT Student Technology & Planning Lab Coordinator: Full-time** **June 2016-February 2017**  
*New Mexico State University, Las Cruces, New Mexico*

- Directly responsible for the daily operations of the Student Technology & Planning computer labs that serve the 13,000 students at the main campus of New Mexico State University.
- Directly responsible for 16 student employees, one co-op student employee, 11 computer labs, 300 University computers and 11 printers.
- Directly responsible for: hiring and termination, conflict management, training new employees, scheduling of employees, standard operating procedures of the labs.

## **Professional Memberships**

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**Engineering Student Council (ESC): Director of Public Relations** **August 2017-May 2018**

- Directly responsible for publishing organizational information related to the different clubs in the Engineering clubs through social media and bi-weekly presentation.
- Directly responsible for the budgeting, planning and execution of “bE-Social day”, an NMSU event during Engineering Week in late February where student relieve stress, play games and mingle with their fellow classmates.

**Chem-E Car: Team Captain** **January 2017-December 2017**

- Communicated with the five-person team and managed; task delegation, fabrication and chemical testing.
- At every step of the process, I communicated with the team to re-orient expectations to achieve success.

**Chem-E Car: Team member** **January 2016-December 2016**

- Responsible for testing the lead-acid battery and iodine clock reaction that allow the car to move car and gathering data from experimentation.
- Earned 10<sup>th</sup> in the world out of 80 competitors for the 2016 Competition year.

**American Institute of Chemical Engineers (AIChE): ASNMSU Financial Liaison, Member** **May 2015-Present**

- Responsible for the bookkeeping and financial budget for the NMSU chapter of AIChE during regional conferences, including securing funding from the NMSU student government.
- **Eagle Scout:** Awarded Summer of 2009