

Anthony R. Rosales

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Department of Chemistry and Biochemistry • University of Notre Dame • 305 McCourtney Hall, Notre Dame, IN 46556

Professional Summary

Current doctoral candidate supported by several fellowships. Dedicated to serving others in many capacities both domestically and internationally. Seeking opportunities to apply problem solving and personal skills in a fast pace setting.

Education

Doctor of Philosophy in Chemistry • University of Notre Dame Expected May 2019
163 Quantitative GRE, 3.8 GPA Notre Dame, IN

Bachelors of Arts in Chemistry • Carroll College May 2014
Minors in Philosophy and Biology with Distinction, 3.6 GPA Helena, MT

Professional Experience

Graduate Research Assistant 2014 - Present
University of Notre Dame, IN Advisors: Olaf Wiest & Paul Helquist

- ◆ Developed and applied state-of-the-art computational software for virtual screening of catalysts in an industry setting. Resulted in four publications and presentations at two notable conferences.
- ◆ Interned at AstraZeneca pharmaceutical company in Sweden for four months as an International Research Experience for Students (IRES) Fellow. Presented at an international conference.
- ◆ Worked on a highly collaborative research project involving four institutions, including AstraZeneca and Purdue. Learned how to communicate across several disciplines as a Chemistry-Biochemistry-Biology Interface (CBBI) Fellow.

Certified Nursing Assistant 2010 - 2014
Benefis Health System, MT

- ◆ Assisted patients as part of a healthcare team with personal hygiene and activities of daily living.
- ◆ Provided comfort and emotional support for patients and families in an end-of-life setting.
- ◆ Demonstrated flexibility to work in different environments such as hospice, rehab, and home care.

Extra-Curricular

Gordon Research Seminar Chair | Gordon Research Conference 2018-2019
◆ Elected by international peers to organize and fundraise for a Gordon Research Seminar. These are highly prestigious conferences and attendance at each is limited to 200 scientists.

Ethical Leader in STEM Fellow | University of Notre Dame 2017-2018
◆ Year-long program emphasizing learning, practicing, and developing good leadership skills by applying them to a practicum.

President and Vice-President | Chemistry Graduate Student Organization 2016-2018
◆ Successfully doubled the operating budget by taking advantage of local resources, and updated the constitution to address faculty and student concerns.

Additional Skills and Interests

- ◆ Computer Skills: Python, Git, HTML/CSS, and commercial chemistry software.
- ◆ Average 80 hrs/year volunteering: weekly youth ministry, middle and high school tutoring.
- ◆ Independently taught in several capacities for the past 8 years and received the Striving for Excellence in Teaching Certificate (2015).