

# Megan Ericson

Chemistry PhD Student

**E-mail** meganericson2@my.unt.edu

**Address** 1508 W Mulberry St. Denton, TX 76201

---

## Education

2017-present **PhD Student** / Inorganic Chemistry, Omary Research Group / University of North Texas, Denton, TX

2013-2017 **Bachelor of Science** in Chemistry, Mathematics Minor / *Magna cum Laude* / University of North Texas, Denton, TX

## Awards and Honors

Spring 2017 **J. L. Carrico Award** - Outstanding performance by a senior chemistry major

Fall 2013 **Alpha Lambda Delta** - Honor Society for first-year students

## Research Interest/Projects

Computational study on structural properties of heavy metal sensing trimers

Computational and experimental study on the optimization of HPTS (8-Hydroxypyrene-1,3,6-Trisulfonic Acid) as a carbon dioxide sensor

Intracellular optical carbon dioxide sensors for environmental and biological studies

NASA funded carbon dioxide sensing materials

Computational and experimental study on the binding of electron rich and electron poor metal cluster centers

## Teaching Experience

Spring 2018 **Teaching Assistant for Inorganic Chemistry Labs** - Designed and prepared experiments for a research based undergraduate lab while teaching fundamental inorganic laboratory techniques

Fall 2017 **Teaching Assistant for Organic Chemistry Lab** - Organized and taught fundamental organic laboratory techniques

Fall 2015 – Spring 2017 **Organic Chemistry Tutor** - Directed volunteer organic chemistry study sessions weekly

## **Volunteer**

- Spring 2018 **UNT Chemistry Graduate School Visitation Weekend** – Hosting panel
- June 2017 **International Volunteer HQ** - Native Forest and Freshwater Conservation Programme, Sustainable Coastlines. Auckland, New Zealand.
- Fall 2015 **UNT First Flight Leader** – Tour group leader to incoming freshman

## **Affiliations**

- Fall 2016 – present American Chemical Society Member