

# Stephen Sanders

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Room 254A, Chemistry Building, University of North Texas

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## PERSONAL STATEMENT

I am a highly motivated graduate student pursuing a PhD in the field of analytical chemistry. I have completed the qualifying examinations and I am now working to complete my dissertation research. I have become proficient on a variety of instruments through my experience in my own research and teaching undergraduate labs.

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## KEY SKILLS

### Technical Skills

- Proficient in the following areas and the use of analytical instruments: Electrochemistry, Powder X-ray Diffraction, Scanning Electron Microscopy, X-ray Photoelectron Spectroscopy, UV-Vis Spectroscopy, FT-IR Spectroscopy, Inductively Coupled Plasma-Mass Spectrometry, Chromatography
- Data Analysis and Computer skills include: MS Office (Word, Excel, Powerpoint), Origin Pro Graphing Software, Adobe PhotoShop

### Personal Skills

- Highly Practical
  - Good communication skills
  - Strong ability to work in collaboration with others
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## CERTIFICATES & MEMBERSHIPS

- NACE University of North Texas Section
  - Electrochemical Society (ECS)
  - Society for the Advancement of Material and Process Engineering
  - American Chemical Society
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## PUBLICATIONS

- Casey R. Thurber, Yahia H. Ahmad, Stephen F. Sanders, Amaal, Al-Shenawa, Nandika D'Souza, Adel M.A. Mohammed, Teresa D. Golden; "Electrodeposition of 70-30 Cu-Ni Nanocomposite Coatings for Enhanced Mechanical and Corrosion Properties," *Current Applied Physics*, Vol. 16, 3, pp. 387-396, 2016.

## EDUCATION

- University of North Texas, Denton, TX
  - Expected Graduation: May, 2018
  - Current GPA: 4.0/4.0
- University of Dayton, Dayton, OH
  - B.S. in Biochemistry
  - May, 2008
  - GPA: 3.4/4.0

## EMPLOYMENT

**Teaching Assistant** – University of North Texas – Denton, TX  
August 2013-present

Instructed undergraduate students in educational labs, both at an introductory (General Chemistry) and advanced level (Instrumental Analysis).

Key Achievements:

- Won Outstanding Teaching Assistant Award in May 2014
- Worked with team of 3-4 teaching assistants

**Teaching Fellow** - University of North Texas – Denton, TX  
June 2014, June 2015-December 2015

I was the lead instructor for an undergraduate chemistry class.

Key Achievements:

- Developed presentations, tests, and projects at the undergraduate level

**Teacher** – Mesquite Independent School District – Mesquite, TX  
November 2009-May 2013

Key Achievements:

- Taught Physics and Chemistry at high school level
- Developed curriculum based on Texas State Standards

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## REFERENCES

References are available on request.