

DANIEL S. MEYERS

STRENGTHS

Secondary and post-secondary teaching, organic synthesis, and computational chemistry experience incorporating outstanding communicative, analytical, problem-solving, and collaborative skills. Dependable and driven with moderate project management experience. Basic understanding of SketchUp and XHTML/HTML5. Proficient with TechSmith Camtasia.

EXPERIENCE

2015 – current DSM Woodwork & Art, LLC (Portage, MI)

Owner

- Small business owner specializing in creating and building furniture and home décor items that are well-built, functional, and practical. Moderate project management experience (starting and finishing custom orders, cost analysis, customer service, troubleshooting).
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2015 – current Chemical Education Xchange

Lead Contributor

- Authored a monthly blog post covering topics in precollege chemistry education. Supported by the Division of Chemical Education and American Chemical Society.
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2013 – current Portage Public Schools (Portage, MI)

Chemistry and Technology Teacher

- Facilitated General Chemistry, Organic Chemistry, Computer Applications, and Web Design courses using Blended Learning pedagogy.
 - Presented research at national conferences (ACS, BCCE, MACUL)*.
 - Mentor for multiple pre-intern teaching candidates.
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2013 Indiana University-Purdue University Indianapolis (IUPUI)

Adjunct Instructor

- Taught Organic Chemistry II lab and General Chemistry to college students and adult learners.
 - Topics included use of ChemDraw, spectroscopy, and synthesis-based research projects.
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2012 – 2013 Cardinal Ritter High School (Indianapolis, IN)

Teacher

- Facilitated Honors Chemistry, AP Chemistry, and developed and implemented a full-year high school Organic Chemistry curriculum.
 - Mentor for pre-intern teaching candidate.
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2012 Indiana University-Bloomington

Research Associate

- Synthesized a myriad of organic targets for anti-cancer testing as part of a collaborative initiative between several research groups.
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2008 – 2011 Indiana University-Bloomington

Research Associate

- Active participation in the VanNieuwenhze Group conducting research aimed at developing a synthetic route to nogalamycin.

Associate Instructor

- Facilitated numerous organic chemistry discussion and laboratory sections.
- Guest-taught 5 Organic Chemistry lectures including ^1H NMR, carbohydrates, ethers, and nucleophilic addition/elimination.

EDUCATION

2011 – 2012 Indiana University-Bloomington

- Master of Arts for Teachers (MAT), Chemistry
- National Science Foundation (NSF) Noyce Fellow 2011-2012

2008 – 2011 Indiana University-Bloomington

- Master of Science (MS), Organic Chemistry
- Thesis titled, “Studies Toward the Synthesis of the AB-Ring System of Nogalamycin.”
- VanNieuwenhze Research Group

2004 – 2008 Grand Valley State University

- Bachelor of Science (BS), Chemistry
- Thesis titled, “Computational Evaluation of Small Molecules Designed to Inhibit Estrogen Production.”
- Hart Research Group
- Honors College, Minor: Mathematics

VOLUNTEERING

2015 – present Portage Public Schools (Portage, MI)

- Hosted and facilitated a variety of Summer Technology Exploration Program (STEP) camps sponsored by the Portage Education Foundation (PEF) and local businesses. Camps included high school chemistry camp and middle school computer science (Google’s CS First).

2009 – 2013 Habitat for Humanity of Monroe County (Bloomington, IN)

- Construction Crew Leader – assisted with homebuilding efforts and led volunteers in construction tasks. Construction tasks included flooring, framing, trusses, roofing, siding, and painting.

INTERESTS

Family, church, mountain biking, woodworking, instructional technology, organic chemistry.

REFERENCES

Available upon request

* ACS – American Chemical Society; BCCE – Biennial Conference on Chemical Education; MACUL – Michigan Association for Computer Users in Learning