

MICHAEL J. SHEVLIN

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- Objective:** Advancing my career at Merck & Co., Inc.
- Education:** University of Illinois at Chicago, Chicago, IL **GPA 4.00/4.00**
M.S. Organic Chemistry, July 2004
- Rose-Hulman Institute of Technology, Terre Haute, IN **GPA 3.67/4.00**
B.S. Chemistry, minor in Chemical Engineering *magna cum laude*, May 2001
- Indiana Academy for Science, Mathematics and Humanities, Muncie, IN
Indiana Academic Honors Diploma, May 1998
- Related Courses:** Advanced Organic Chemistry, Organic Structure Determination, Synthetic Organic Chemistry, Theoretical Organic Chemistry, Peptide Synthesis, Biochemistry, Advanced Inorganic Chemistry, Analytical Chemistry, Physical Chemistry, Scientific Glassblowing, Material and Energy Balances, Fluid Mechanics, Heat Transfer, Mass Transfer, Materials Science
- Experience:** Merck & Co., Inc., Rahway, NJ **Staff Chemist** 9/06 - present
- Ivy Tech State College, Lafayette IN **Adjunct Professor** 8/04 - 5/06
- Taught nine sections of introductory, general, and organic chemistry lecture and laboratory courses over five semesters
 - Designed and prepared instrumental and wet chemistry laboratory experiments
 - Developed course material for new general chemistry course
 - Developed online material to supplement course work
- University of Illinois at Chicago, Chicago IL **Research Assistant and Teaching Assistant** 8/01 - 4/04
- Developed a concise synthesis of polyoxamic acid using a chelation-controlled Strecker reaction
 - Procured solvents, reagents, and common laboratory supplies for a twenty-person research group
 - Taught five laboratory and seven recitation sections of organic chemistry over five semesters
 - Delivered lectures for professors in absentia
 - Wrote quizzes, proctored examinations, and graded exams, quizzes, homework, and labs
 - Provided supplementary information on the internet to assist learning outside the classroom
- Rose-Hulman Institute of Technology, Terre Haute IN **Teaching Assistant** 3/00 - 6/01
- Taught two laboratory sections of analytical chemistry
 - Graded examinations, quizzes, lab reports, and homework for general and organic chemistry
 - Operated the NMR spectrometer for four laboratory sections of organic chemistry
- Central States Analytical, Evansville IN **Analytical Chemist** 6/00 - 8/00
- Developed and verified HPLC methods for nutritional supplements and pharmaceuticals
 - Performed routine HPLC analysis of pharmaceuticals, wastewater samples, and vitamins
 - Performed lab work and maintained documentation in accordance with GLP guidelines

- Skills:**
- Adept in the research laboratory, classroom, and teaching laboratory
 - High-throughput organic synthesis, glovebox techniques, HPLC, SFC, GC, preparative chromatography, NMR, IR, organic synthesis, UV-VIS, fluorescence
 - Symyx Renaissance, Insight II, Gaussian 98, Cerius², PC-Spartan Plus, Chems sketch, Maple, Matlab, C++, C, HTML, IRIX, Linux, DOS, Windows, Excel, Word, PowerPoint, WordPerfect
 - Skilled in the operation, maintenance, and repair of electronic equipment and instrumentation
- Publications:**
- Ghosh, A.; Shevlin, M. The Development of Titanium Enolate-Based Aldol Reactions. In *Modern Aldol Reactions Vol. 1: Enolates, Organocatalysis, Biocatalysis, and Natural Product Synthesis*. Marhwald, Ranier ed.; Wiley-VCH, 2004, 63-125.
- Honors:**
- National Science Foundation Graduate Research Fellowship Honorable Mention, 2003
University of Illinois at Chicago University Fellowship, 2001, 2003
Rose-Hulman Institute of Technology William Albert Noyes, Sr. Award in Chemistry
Rose-Hulman Institute of Technology Presidential Scholarship
Indiana Academic Honors Diploma
Attended Indiana Academy for Science, Mathematics, and Humanities
- Activities:**
- Second Place, Internet Raytracing Competition, May-June 2004
Superintendent, Vanderburgh County 4-H Aerospace Program
President, Rose-Hulman Chess Club
Second Place, Rose-Hulman Campus Chess Tournament, 2001
Recording Studio Director, WMHD radio station
First Place, State American Chemical Society Advanced Examination, 1998
First Place, Indiana Junior Academy of Science Examination, 1998
First Place, State Junior Engineering and Technical Society Team Examination, 1998
10 year 4-H member with 29 champion and 8 reserve champion awards
Club Master, American Contract Bridge League
Team Captain, Indiana Academy Solar Car Team

References available on request.