

EDUCATION

University of St. Thomas, St. Paul, Minnesota
Bachelor of Science Mechanical Engineering
Bachelor of Arts Business Administration



EMPLOYMENT HISTORY

2002-Present: Gausman & Moore Associates, Inc.

Mechanical Design Engineer for educational, institutional, military, and commercial projects. Responsibilities include mechanical systems design and drafting; engineering heating and cooling load calculations; and construction phase field verification.

2000-2002: 3M Company, St. Paul, MN

Technical aide in the Micro-Replication Technology Center. Responsibilities included design of experiments to gather data, writing project summaries for reports, and utilizing my tools. The tools that were used were software consisting of Word, Excel, Power Point, and Lotus Notes. Hardware consisted of general chemistry lab tools and a compression molding press.

1998-2001: University of St. Thomas, St. Paul, MN

Mathematics Resource Center Tutor and Mathematics Computer Lab Assistant (Level 3). Tutored and helped students on a wide variety of levels of math and problem solving, sometimes computer related.

1999-2001: University of St. Thomas, St. Paul, MN

Research Assistant. One student, two faculty members. Researched all parts of tornado simulation. We altered an existing design and built a tornado simulator from scratch and simulated flow patterns of tornadoes of all kinds. Scaling, along with numerical and analytical techniques were used to predict the airflow and to fully understand how tornadoes work. An unpublished paper and a presentation were developed from this ongoing research.

PROFESSIONAL

Registration: Licensed Engineer, Minnesota No. 45409
Licensed Fire Protection Engineer: Passed the National Council of Examiners for Engineering and Surveying (NCEES) fire protection engineering examination in Minnesota
LEED® Accredited Professional

Continuing Education:

- ASPE Minnesota Chapter, Green Plumbing Design and Products – 2005
- The Bentley Institute, Introduction to Bentley HVAC – 2005
- ACEC “Creating Wealth: It’s What Real Engineers Do” – 2004
- TRANE Air Conditioning Clinic – 2004
- ITT Bell & Gosset, Hydronic System Design Seminar – 2002