

Travis M. Whitaker

3241 Nathaniel Rochester Hall, Rochester, NY 14623
(315) 391-7268 - tmw4661@rit.edu

EDUCATION

Bachelor of Science, Chemical Engineering - PGPA 4.0
Rochester Institute of Technology, Rochester, NY, expected graduation: May 2016
Minor: Computer Engineering
Concentration: German Language

SKILLS

Languages & Software: C, Mathematica, L^AT_EX, C++
Operating Systems: Linux, Microsoft Windows. *Hardware*: HP/Soltec Oscilloscopes, Tektronix Function Generators, various other chemical/electrical laboratory apparatus.
Labs: General and Analytical Chemistry, Organic Chemistry, Physics.

EXPERIENCE

PDMS Co-op Intern June 2013 - Present
Janssen Biotech, a Johnson&Johnson Company, Philadelphia, PA

- Data Warehousing and Multidimensional Chemical Process Analysis.
- Development of Novel Process Models.
- Preparation of Presentations and Reports.

Researcher/Laboratory Technician Summer 2011
Applied Electrostatics Laboratory, SUNY Oswego, Oswego, NY

- Design, construction, and maintenance of specialized laboratory apparatus.
- Design, implementation, and analysis of experiments exploring potential applications of electrospray ionization focusing on near-vacuum environments.
- Manufacture of thin-film mirrors in near-vacuum environments for use in associated laboratories.
- Wrote software application in C for tracking individual particles to aid the analysis of high-speed footage of clouds of electrostatic particles produced via electrospray ionization.

PROFESSIONAL INTERESTS, HOBBIES, AND PROJECTS

- Digital Signal Processing
- Computer Algebra
- Embedded Systems Programming
- High-End Audio
- Discrete Electronics
- German Culture

PROFESSIONAL ORGANIZA- TIONS

Computer Science House
American Institute of Chemical Engineering
American Mathematical Society
American Chemical Society
Association of Computing Machinery