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Travis M. Whitaker

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## EDUCATION

**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

**SKILLS** *Languages & Software:* C, Mathematica, L<sup>A</sup>T<sub>E</sub>X, 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

**EXPERIENCE**     *Scientist*     June 2013 - Present  
 Janssen Biotech, a Johnson&Johnson Company, Philadelphia, PA

- Data Warehousing and Multidimensional Chemical Process Analysis.
- Development of Novel Process Control Algorithms.
- Preparation of Presentations and Regulatory 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

- PROFESSIONAL  
INTERESTS,  
HOBBIES, AND  
PROJECTS**

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

## PROFESSIONAL ORGANIZATIONS

<b>PROFESSIONAL ORGANIZATIONS</b>	Computer Science House
	American Institute of Chemical Engineering
	American Mathematical Society
	American Chemical Society
	Association of Computing Machinery