Travis M. Whitaker

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

OBJECTIVE

Seeking a internship/cooperative employment position during May-August 2013 in the field of Chemical Engineering, and/or Materials Science.

EDUCATION

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

SKILLS

Languages & Software: C, Mathematica, MATLAB, Python, Git, LaTeX, Arduino-Flavored C++
Operating Systems: Linux(Debian, Gentoo, Scientific Linux, Microsoft Windows.

EXPERIENCE

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 the tracking of individual particles to aid the analysis of high-speed footage of clouds of electrostatic particles produced via electrospray ionization.

PROFESSIONAL INTERESTS AND HOBBIES

- Non-comsumptive Catalysis
- Electrospray Ionization
- Photolithographic Ion Implantation
- Low-Level Programming
- Digital Signal Processing
- Functional Analysis
- Computer Algebra
- Embedded Systems Programming
- High-End Audio
- Discrete Electronics
- Soviet-Era Electronic Test Equipment
- German Culture

COMMUNITY SERVICE

Served as Youth Representative on the Diocesan Council of the Catholic Diocese of Syracuse.
Financial Organizer for the 2011 annual Computer Science House Freshman Charity Project.

EXTRA-CURRICULAR ACTIVITIES

Elected *Youth Representative*, Diocesan Council
Elected *Financial Organizer*, CSH Freshman Project
Computer Science House On-Floor Member
American Institute of Chemical Engineering Member