

JOE SHMO

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EDUCATION

Sewanee: The University of the South, Sewanee, TN *Bachelor of Science expected May 2010*

Major: Chemistry Minor: Economics

Cumulative GPA: 3.50

Relevant Coursework: _____, _____, _____,
_____, _____; _____, _____

RELATED EXPERIENCE

Research Assistant, University of the South, Sewanee, Tennessee *2009-Present*

- Synthesized cadmium selenide quantum dots with various thiolated protecting layers and subsequent addition of various chain lengths crown ethers.
- Assisted Dr. D. Miles with ongoing research and gained laboratory experience outside of designated class time.
- Worked to engage incoming freshmen and underclassmen in research in order to further the value of their education and understanding of “real world” chemistry.

Laboratory Assistant, University of the South, Sewanee, Tennessee *Fall 2008*

- Provided assistance and tutoring in and out of the laboratory for advanced general chemistry and organic chemistry students.

Research Assistant, Clemson University, Clemson, South Carolina *Summer 2008*

- Through the SURP program, was given the privilege of working with Dr. J. Brumaghim and graduate students, M. Kimani and C. Underwood.
- Research included synthesis of metal complexes containing tri-nitrogen ligands and thiol containing complexes in order to study the affects of sulfur and selenium on the antioxidant potential of iron and copper.
- Responsible for synthesis and characterization of all thiol analogs of selenium containing complexes produced by grad-student mentors

PRESENTATIONS & CONFERENCES

- Poster Presentation: “Comparison of the Electrochemical Properties of Iron and Copper Complexes with Tris(pyrazolyl), Thiolate, and Selenolate Ligands”, 60th ACS Southeastern Regional (SERMACS) Meeting, Nashville, TN 2008
- Poster Presentation: “The Effects of Crown Ethers on Fluorescence of Cadmium Selenide Quantum Dots”, 2009 Scholarship Sewanee, Sewanee, TN 2009
- Poster Presentation: “Synthesis of Iron(II) and Copper(I) Thiolates Containing Trinitrogen Chelating Ligands”, Clemson University SURP Research Symposium, Clemson, SC 2008

PAPERS, THESIS, PUBLICATIONS

MEMBERSHIPS

- **Delta Tau Delta Fraternity**, University of the South
 - Risk Manager 2008-Present
 - Social Chair 2008-Present
- **The Order of the Gownsmen**, University of the South
 - Student governing body, membership via academic excellence
 - Member 2007-Present
- **Student Affiliates of the American Chemical Society (SAACS)**, Sewanee Chapter
 - President 2009-Present
 - Member 2008-Present
- **American Chemical Society (ACS)**, Southeastern Region Chapter
 - Member 2009-Present

ADDITIONAL WORK EXPERIENCE

Server, Chevy's, Dallas, TX

2006-2009

- Provided excellent customer service while waiting tables; position made available during all school breaks
- Received highest mark possible during "Secret Shopper" evaluation.
- Successfully performed all job functions; inclusive of host, waiter, cook, manager, and repair man

First Mate, Charter Boat Big John, Destin, Florida

Summer 2004, 2005

- Hosted deep sea fishing expeditions in the Gulf of Mexico.
- Maintained fishing tackle and mechanics of 51 foot seagoing vessel
- Provided customer service consisting of fishing instruction, baiting lines, fish cleaning, and cooking.

SERVICE & LEADERSHIP