

LUCY LAWRENCE

777 East Main St.

Appleton, WI 54911

920-555-9876

lawrencel@lawrence.edu**OBJECTIVE:**

Entry level chemist position where research and lab experience combined with strong communication skills would be assets

EDUCATION:

Lawrence University, Appleton WI

Bachelor of Arts, June 2011

Major: Chemistry

GPA: 3.9

HONORS:

Named to Dean's List-all terms

Polyed Organic Chemistry Prize, 2008

RELATED COURSEWORK:

Analytical Chemistry

Inorganic Chemistry

Instrumental Analysis

Organic Chemistry

Physical Chemistry

Spectroscopy

LAB WORK AND RESEARCH:

HPLC

Gas Chromatography

NMR Spectroscopy

IR Spectroscopy

UV-VIS Spectroscopy

Hydrothermal Synthesis

SKILLS:**Research***(Organic)*

- Determined composition of product mixtures using HPLC
- Used GC to resolve two enantiomers of Limonene and other chiral compounds
- Carried out accurate measurements of starting materials using analytical balance
- Determined Mg content in water samples using UV-VIS

(Inorganic)

- Co-published research article, *catena-(Bis(μ)-1,3-bis-propane-N,N')-diaqua-cobalt(II))dinitrate 1,3-bis(4-pyridyl)propane monohydrate*, in Crystallographica Section E, Vol 59, Pt 10, pp m852-m854
- Synthesized new coordination polymers via Hydrothermal Synthesis
- Changed reaction parameters to determine optimum reaction conditions for Hydrothermal Synthesis of Coordination Polymers

Communication

- Presented research findings at PEW Consortium in St Louis, MO.
- Gave presentations on progress of research to other research groups
- Assisted with presentation on LED at Weird Science Conference at Chicago
- Maintained detailed description and analysis of experiments and procedures in lab notebook
- Conducted lecture for neuroscience seminar class of eight students
- Assisted college students in setting up labs, understanding data collected, and solving chemistry problems as lab assistant and content tutor

COMPUTER SOFTWARE:

Spartan ES – For Computational chemical analysis

WINGX and SHELXL97 – To analyze raw data from X-Ray Crystal Defractometer

WORK EXPERIENCE:

Computer Lab Assistant

Tutor

Lab Assistant / Content Tutor

Computer Laboratory, Lawrence University, Appleton, WI

VITAL Tutoring, Appleton, WI

Spanish Department, Lawrence University, Appleton, WI

2009 – Present

2008 – Present

2007 – Present