

# ELLEN A. WALKER

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## PROFILE

- Experience in research, experiment design, data analysis, and presenting research data
- Demonstrate strong communication skills; ability to work independently and within a team

## EDUCATION

**Bachelor of Arts in Chemistry, Minor in Physics** May 2011

Hood College, Frederick, MD

- GPA 3.37
- Member, *Gamma Sigma Epsilon* - National Chemistry Honor Society

## EXPERIENCE

**National Institute of Standards and Technology (NIST)** June 2010-August 2010

Hood College, Frederick, MD

- Selected for the Student Research Institute program
- Synthesized compounds to be used in research
- Learned how to use instruments and laser system
- Attended the Fall 2008 American Chemical Society National Meeting and presented research in the Physical Chemistry and SciMix Poster Sessions
- Demonstrated organization and time management skills; attention to quality and accuracy

**Research Experience for Undergraduates (REU)** June 2009-August 2009

Towson University, Towson, MD

- Selected for an eight-week program to work closely with a research mentor; identified the project, designed the experiment, analyzed the data, and presented the results via a poster presentation
- Participated in a wide range of research projects in the areas of nanotechnology, thin film and sensor technology, and solid-state chemistry
- Demonstrated the ability to efficiently learn new tasks and instruments
- Communicated regularly with mentor about research progress

**Chemistry Assistant** January 2008-June 2008

Chemistry Department, Hood College, Frederick, MD

- Assisted professors in preparation of lab materials and chemical storage
- Tutored chemistry students; provided assistance with lab experiments and test preparation

## ACTIVITIES AND ORGANIZATIONS

Member, *Chemists of America, Student Chapter*, 2009-present

Member, *Free Radicals Chemistry Club*, 2008-present

Captain, *Hood College Women's Soccer Team*, 2008-2009; Most Outstanding Player, 2008

## SKILLS

Microsoft Word, PowerPoint, Excel; Raman Spectrometer; FT-IR Spectrometer; Schlenk line; glove bag; ultrafast UV pump/IR probe laser system