

# Allison K. Tolbert

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## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA 2012-Present  
Graduate School of Chemistry and Biochemistry; Paper Science and Engineering Fellow **GPA: 4.00**  
**Courses:** Organic Mechanisms, Organic Compounds, Organic Synthesis, and Physical Organic Chemistry

**Wofford College**, Spartanburg, SC 2008-2012  
Majors: Chemistry and Mathematics (BS and BA degrees expected in May 2012) **GPA: 3.74** Major GPA: 3.73  
**Honors:** Magna Cum Laude, Phi Beta Kappa, Dean's List, Palmetto Fellow, Anna Todd Scholarship, Success Initiative Scholarship, Valedictorian Emerald HS 2008  
**Courses:** Organic Chemistry I & II, Analytical Chemistry, Inorganic Chemistry, Environmental Chemistry, Physical Chemistry, Instrumental Chemistry, Multivariable Calculus and Advanced Differential Equations

**University of Melbourne**, Melbourne Australia Spring 2011

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## EXPERIENCE

**Chemistry Department**, Georgia Tech *Graduate Research Assistant* 2013-Present

- Working primarily on chemical characterization of wood samples using the TOF-SIMS and SEM.

**Chemistry Department**, Georgia Tech *Laboratory Teaching Assistant* Fall 2012

- Taught Organic Synthesis Lab to approximately 50 student along with grading assignments and final exams.

**Chemistry Department**, Wofford College *Laboratory Teaching Assistant* Fall 2010 & 2011

- Helped monitor lab practicals, proctored tests, and assisted professors with grading papers.

**Chemistry and Math Depart.**, Wofford College *Peer Tutor* Fall 2010, 2011

**Davis & Floyd Environment Lab**, Greenwood, SC *Chemistry Intern* July & August 2011

- Fine tuned laboratory skills and mastered new techniques working at an environmental chemistry laboratory in both the organic and inorganic divisions, approximately 160 hours.

**CWIC Conference**, Columbia, SC *Poster Presenter* November 2010

- Presented summer research poster at the Carolina Women in Computing Conference.

**REU Scientific Computing**, Huntington, WV *Student Researcher* Summer 2010

- Compared different computational methods of determining the potential energies of trihalide ions at varying distances while conducting Computational Chemistry research for 10 weeks at Marshall University.

**CPP, inc.**, Greer, SC *Chemical Consultant* January 2010

- Worked as a chemistry consultant for Century Printing and Packaging to improve their process of disposing water-based ink waste; performed laboratory experiments for a total of 35 hours.
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## SKILLS

**Computer:** Python, C++, MathCad, MATLAB

**Lab Instruments:** TOF-SIMS, SEM, and GC-MS

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## LEADERSHIP

**American Chemical Society**, Wofford College *President* 2011-2012

- Enhancement of chemistry knowledge amongst chemistry students, the Wofford campus, and the Spartanburg community continuation of live demonstrations and activities for elementary students along with bringing speakers on campus for presentations.