

# Amy Stonger

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## Personal Profile

- ◆ Chancellor's List Spring 2008 to Fall 2010
- ◆ 4.0 Cumulative GPA
- ◆ Accepted into Bioinformatics and Genomics PHD program at UNC Charlotte Fall 2011

## Education

University of North Carolina Charlotte – Charlotte, NC  
Bachelor of Science, Biology Major, Biotechnology Minor, May 2011

Onondaga Community College – Syracuse, NY  
Fall 2001 to Fall 2002, Cumulative GPA 3.701

## Experience

### Professional Experience

University of North Carolina at Charlotte Bioinformatics and Genomics Laboratory, May 2010 to Present

- ◆ Familiarize myself with basic laboratory techniques, including PCR and DNA/RNA extraction
- ◆ Perform rapid amplification of cDNA ends (RACE) on RNA extracted from plant tissues in order to ascertain the 3' and 5' untranslated regions of three WRKY transcription factor genes
- ◆ Generate small RNA libraries on soybean leaf tissue exposed to ozone for determination of microRNAs
- ◆ Data analysis on small RNA libraries via miRDeep-P to annotate microRNAs

### Internship

University of North Carolina at Charlotte Bioinformatics and Genomics Laboratory, January 2010 to May 2010

- ◆ Assist with ordering supplies to stock the laboratory and organize the work area
- ◆ Perform extensive research on transcription factor functions and DNA binding sites
- ◆ Gain an understanding of the necessary components to design and implement a successful experimental design to address a specific research question

### Fellowships/Awards

- ◆ Undergraduate research from Fall 2010 to Spring 2011 funded through the Collaborative Research Experience for Undergraduates (CREU) program and sponsored by the Computer Research Association's Committee on the Status of Women in Computing Research (CRA-W)
- ◆ Selected as NSF Graduate Research Fellow to fund PhD in Bioinformatics and Genomics in Fall 2011 through Spring 2014
- ◆ Selected as a Graduate Assistance in Areas of National Need (GAANN) Scholar to begin in Spring 2015