

KEITH POLYMER

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EDUCATION

William & Mary, Williamsburg, Virginia

Bachelor of Science, May 20XX

Major: Chemistry Minor: Computer Science GPA: 3.45

Relevant Courses: Instrumental Analysis, Molecular Cell Biology, Biochemistry, Physical Chemistry I & II
Advanced Inorganic Chemistry (in progress), Genomics and Proteomics Lab (in progress)

SKILLS

Computer: Excel, PowerPoint, Chemdraw, Gaussian, Python

Lab: NMR and IR Spectroscopy, GC-MS and LC-MS, Gel Electrophoresis, Rotary Viscosimeter, Vulcameter, Scanning Electron Microscope, Optical Instrumentation

RESEARCH EXPERIENCE

Research Assistant, William & Mary Chemistry Department
Williamsburg, VA, September 20XX – Present

- Research protein glutathionylation, a biochemical process that protects proteins from oxidative damage that may lead to neurodegenerative diseases
- Synthesize fluorescently-labeled glutathione, purified labeled molecule, and studied oxidation-reduction reactions between labeled glutathione and cysteine-rich proteins
- Utilize thin-layer chromatography, column chromatography, gel electrophoresis, and fluorescent imaging techniques

Research Assistant, Institute of Human Virology, University of Maryland School of Medicine
Baltimore, MD, May 20XX - August 20XX

- Determined Crystal Structures of MDM2/MDMX inhibitors, which allow p53 protein to fight tumors in the human body
- Performed peptide crystallography and synthesis
- Used principles of X-Ray Crystallography to determine crystal structures of peptides
- Collaborated with professional scientists
- Attended weekly seminar regarding current research in virology

TEACHING EXPERIENCE

Teaching Assistant, William & Mary Chemistry Department
Williamsburg, VA, August 20XX – December 20XX

- Taught General Chemistry I laboratory class to 22 introductory chemistry students
- Ensured appropriate application of experimental techniques, understanding of experimental theory, and correct analysis of data
- Answered questions inside and outside of class period
- Evaluated student data reports

ACTIVITIES

Special Events Coordinator, Bone Marrow Drive Steering Committee, William & Mary
Williamsburg, VA, August – May 20XX

- Collaborated with the steering committee to organize the largest college bone marrow registry drive in the nation with 700+ new entrants
- Partnered with local business to hold a silent auction, which raised over \$1,500

Member, William & Mary Chemistry Club, August 20XX – Present

Member, William & Mary Student Environmental Action Coalition, January 20XX - Present