Organic Chemistry Teaching Assistant, Chemistry Department, Florida State University 20xx - 20xx
- Supervised and instructed students in Organic Chemistry laboratory (30 students total)
- Instructed the multi-step syntheses of compounds designed to inform general laboratory techniques
- Developed writing problem sets and exams; assisted students individually and in small groups with assignment problems or material they found difficult to understand.
- Maintained records of students' assessment results, progress, feedback, and classroom performance

RESEARCH EXPERIENCE

Graduate Research Assistant, Department of Chemistry & Biochemistry, Seton Hall University 20xx - present
- Collaborate with colleagues on experimental research procedures and techniques using Varian Inova NMR
- Plan a new scheme for anticancer drug based on Glucosamine and a new heterocyclic compound
- Synthesize anti-cancer drugs using different reagents in order to search for new and easier ways to manufacture new target compounds; purification methods include crystallization, distillation and columns
- Analyze proof of structure for derived target compounds utilizing nuclear magnetic resonance, infrared light, mass spectrometry and ultraviolet and visible spectrometry

Graduate Research Assistant, Department of Chemistry & Biochemistry, Seton Hall University 20xx - 20xx
- Performed coupling method experimenting with protecting and deprotecting methodologies for carbohydrates while working under controlled conditions
- Collaborated, planned, designed and analyzed various drugs derived from carbohydrate precursors based on Glucosamine Hydrochloride and the synthesis of Oligosaccharides
- Synthesized a series of 1, 3, 4-thiadiazoles, and 1, 2, 3-triazol based on L-ascorbic acid hydrazine derivatives in order to complete new anti-cancer compound

Master's Thesis, Chemistry Department, Florida State University 20xx
Study on Heterocyclic Compounds from Carbohydrate Precursors
- Aim of study was synthesis of nitrogen heterocyclic derivatives from carbohydrate precursors in the quest for new chemotherapeutic compounds that may show biological activities
- Research methods included using different Organic Chemistry Techniques, Melting Points, Distillation, Extraction, Crystallization, Filtration, Drying Organic Solutions, Chromatography and Solvent Removal
- Utilized different Organic methods of identification for unknown compounds using Infrared Spectroscopy,
- Nuclear Magnetic Resonance Spectroscopy, UV spectra using Shimadzu UV 160A UV-Vis, and Mass spectra obtained from GC-11S mass spectrometer MAT 112
- Results presented to department faculty and poster presentation at prestigious academic research forum

PUBLICATIONS

Poster presentation at Annual Petersheim Exposition Celebrates Academic Achievement, Seton Hall, 20xx

Published Abstract *[Last Name, First Name]*. From Abstracts of Papers, 20xxth ACS National Meeting & Exposition, Philadelphia, PA, United States, Issue #, 20xx. *Title and description of abstract.*

Submissions A.B. Faculty, (20xx) Name of Research ***Contributor****: Ima Gradstudent(description of research)*

SKILLS

Language: Oral and written fluency in Polish, conversational in French and Italian
Computer: Microsoft Office software, ChemOffice, ChemBioDraw, Chem Sketch and SciFinder Scholar

PROFESSIONAL INVOLVEMENT

Member, American Chemical Society September 20xx - present
Attended Chemistry as a Life Science Symposium XV, Rutgers University, Newark, NJ 20xx
Attended The First Nanotechnology Workshop in Pharmacy and Medicine, Dublin, Ireland 20xx