

Shirley Newland

Boston, MA

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EDUCATION

Simmons University, Boston, MA

Bachelor of Science in Biology, anticipated May [Year]

Minor in Chemistry

GPA: 3.78

Honors: Dean's List seven semesters

Leadership Activities: Vice President, Student Government Association (SGA), [Year]-Present; SGA Junior Class Representative, [Year]; Campus Student Activities Board, [Year]

Research Project with Thesis: Bonner Lab, Tufts Medical School, Department of Microbiology and Molecular Genetics, Medford, MA, Fall [Year]-Present

RELEVANT COURSEWORK

Animal Physiology

Cellular Biology

Genetics

Molecular Biology

Immunobiology

Developmental Biology

LABORATORY SKILLS

Polymerase Chain Reaction

Plasmid DNA Isolation

SDS-Page

Infrared Spectroscopy

Agarose Gel Electrophoresis

NMR Spectroscopy

Subcloning

Western Blotting

LABORATORY EXPERIENCE

Simmons University, Department of Chemistry, Boston, MA

Teaching Assistant

[Year]-Present

- Assisted students with laboratory techniques for Introductory Inorganic Chemistry and Organic Chemistry I and II
- Operated equipment, including infrared spectrometer, nuclear magnetic resonance spectrometer, and gas chromatograph

Simmons University, Department of Biology, Boston,

MA Undergraduate Researcher

Summer [Year]

- Characterized novel silencer of the *bgl* Operon in *E. coli* using subcloning
- Developed system for *in vitro* analysis of possible interactions between regulatory proteins in *E. coli*
- Recognized by supervisor for detail orientation and meticulously following prescribed lab procedures

Williamstown Animal Hospital, Williamstown, MA

Veterinary Technician

Summer [Year]

- Worked to develop biopesticide for control of plant pathogenic nematode using bacteria *Xenorhabdus bovienii*.
- Set up and managed experiments, as well as collected and analyzed data.

ADDITIONAL EXPERIENCE

Eastern Assembly Square Community Hospital, Williamstown, MA

Administrative Assistant

Summer [Year]

VOLUNTEER ACTIVITIES

Big Brothers Big Sisters of Boston, Boston, MA

Mentor

[Year-Year]