

Matthew Moreau
MJM6236@PSU.EDU
69 Turnstone Drive
Attleboro, MA 02703
508-212-4734

OBJECTIVE To obtain a job that utilizes my skills learned in academia

EDUCATION

The Pennsylvania State University, Erie, PA
Bachelor of Science in Biology

GPA 3.53

- Ecology, Evolution and Behavior option, Certificate in Global Awareness
- Dean's List 5 times

LABORATORY EXPERIENCE

- Stream ecology - Determined the nitrate and phosphate levels, dissolved oxygen, macroinvertebrate health for 3 different streams that are interconnected
- Limnology - Measured the secchi disk depth, ORP, nitrate and phosphate levels, electroconductivity of a temperate dimictic lake to test for eutrophication
- Cancer cultures - Prepared prostate and colon cancer cell lines to be treated with chemotherapeutic drugs
- Microbiology - Analyzed bacteria samples using staining techniques to determine gram negative or positive
- Genetics - Performed qt-PCR to analyze genetic expression of an apoptotic associated gene
- Developmental Biology – Used zebrafish embryos and treated them with retinoic acid to see if it had any effect on development
- Plant physiology - Experimented on *Brassica Rapa* with gibberelic acid to determine efficiency of growth rate
- Molecular Biology - Prepared the Western blot technique to analyze protein size in a potato

RELEVANT COURSEWORK

Cancer Biology, Biostatistics, Organic chemistry I, II, Genetic Analysis, Experimental Design

Introductory Physics I, II, Evolution, Aquatic ecology, Certification in learning ArcGIS 10.2 Desktop

OTHER EXPERIENCE

Intern, Rhode Island Hospital, June 2014 to August 2014, Part time

- Tested the effects of chemotherapeutic drugs on in vitro prostate and colon cancer cells; Tested if microvesicles can be used to deliver chemotherapeutics to cells

Overnight Receiving Associate, Walmart, May 2013 to August 2013, Full Time

- Organized pallets of products to be distributed onto shelves in the departments of Grocery, Pets, Hardware, Chemical, Paper, and Housewares

Service Clerk, Stop and Shop, February 2011 to August 2011, Part Time

- Helped customers with groceries, and maintenance of carriages outside and RVM machine