

Matthew T. Elia

2 Kendall Road Tewksbury, MA 01876

- 978-995-1697 -

elia.ma@husky.neu.edu

Education

Northeastern University

Candidate for Bachelor of Science in Electrical Engineering, minor in History

Boston, MA

G.P.A: 3.37

September 2013- May 2018 (Proj.)

Related Courses: Embedded Design/Enabling Robotics, Circuits and Signals, Engineering Problem Solving and Computations, Differential Equations and Linear Algebra, Calculus 1 and 2

Honors/Awards: Member of the Northeastern University Honors Program, Recipient of Dean's Scholarship, and Recipient of Merrimack Valley Striders Scholarship

Activities: Member of Northeastern University Chapter of AIAA, Intramural Flag Football and Volleyball

Central Catholic High School

Lawrence, MA

High School Diploma

September 2009 - May 2013

Honors: National Honor Society Member, Recipient of awards in Biology, History, and Religion

Activities: Varsity Track and Field, Varsity Cross Country

Related Experience

Philips Color Kinetics

Burlington, MA

Electrical Engineering Coop

January 2015 - June 2015

- Working with engineers to construct prototype PCB designs and helping test the functionality and efficiency of such designs

- Utilizing CAD software to design PCB connector board for ongoing project

- Microscope soldering and other technical skills in electronics repair and construction

Biomedical Optics Research Group

Boston, MA

Undergraduate Lab Assistant

September 2014 - April 2015

- Working in a lab that uses lasers to examine different types of cells in the bloodstream of mice *in vivo* measuring the fluorescence of different types of cells

- Designing and constructing a power box and sensor box to better organize the system

- Crimping and soldering wires to help construct a power box and sensor terminal to power lasers

- Reorganizing wire circuits to make them neater and more dynamic

Additional Experience

Elia's Country Store

Wilmington, MA

General employee

2008 - Present

- Family-owned business, helped manage tasks assigned to me.

- Refill product, take in deliveries

- Worked with customers given mid-level managing responsibilities

Big Brother Big Sister

Boston, MA

Mentor

October 2013 - Present

- Interacted with a 3rd grader by spending time over lunch once a week

- Guided him when he asked for it and provided an older person besides his family to look to for help

Skills:

Proficiency with Microsoft Office

Basic knowledge of Solidworks, AutoCAD, MATLAB, C/C++ programming languages, Linux, Altium,

Perforce, Arena

References furnished upon request