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Matthew T. Elia

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Available for Coop/Internship Jan. 2016 to June 2016

Education

Northeastern University, Boston MA

Candidate for Bachelor of Science in Electrical Engineering, minor in History May 2018

G.P.A: 3.37

Related Courses: Embedded Design/Enabling Robotics & Lab, Circuits and Signals & Lab, Differential Equations and Linear Algebra, Calculus 1-3, Linear Systems, Electronics & Lab

Honors/Awards: Northeastern University Honors Program, Dean's Scholarship, Merrimack Valley Striders Scholarship

Activities: Northeastern University Chapter of AIAA(Rocket to Karmen Line), Intramural Flag Football, Broomball and Volleyball

Central Catholic High School, Lawrence, MA

High School Diploma May 2013

Honors: National Honor Society, 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 Co-op

January 2015 – June 2015

- Constructed prototype printed circuit board (PCB) designs with engineers and helped to test the functionality and efficiency of designs Utilized CAD software (Altium) to design PCB connector board for ongoing project
- Performed microscope soldering and other tasks which required technical skills in electronics repair and construction

Biomedical Optics Research Group

Boston, MA

Undergraduate Lab Assistant

September 2014 – April 2015

- Research purpose involved use of lasers to examine different types of cells in the bloodstream of mice *in vivo* by measuring the fluorescence of different types of cells
- Designed and constructed a power box and sensor box to improve organization of the system
- Crimped and soldered wires to aid construction of a power box and sensor terminal to power lasers
- Reorganized wire systems to improve neatness and dynamicity

Skills:

Proficiency with Microsoft Office

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

Pspice, Altium, Perforce, Arena

Additional Experience

Connections Lab Assistant

Boston, MA

Work Study

Sept.2015 -Present

-maintained and watched over computer lab for the Connections engineering group

Elia's Country Store

Wilmington, MA

General Employee

2008 – Present

- Family-owned business, help to manage store-wide tasks assigned to me
- Responsible for refilling product and coordinating deliveries
- Working directly with customers

Big Brother Big Sister

Boston, MA

Mentor

October 2013 - Present