

THOMAS ROMANO

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EDUCATION

Duke University

Class of 2017

Majors in Electrical & Computer Engineering, Computer Science
Overall GPA: 3.975

Fairfield Ludlowe High School

Class of 2013

Overall GPA: 4.5934

EXPERIENCE

Duke University

August 2014-Present

Undergraduate Teaching Assistant

Durham, NC

- Laboratory/recitation leader and grader for EGR 103L: Computational Methods in Engineering (Fall 2014), CS 250: Computer Architecture (Spring 2015), and ECE 110L: Introduction to ECE (Spring 2015).

Duke Center for Metamaterials and Integrated Plasmonics

March 2014 - December 2014

Programmer and Research Assistant

Durham, NC

- Researched metamaterial apertures and compressive imaging for use in security scanners under Professor David Smith. Designed MATLAB-Arduino communication system to power RF transmitter.

Boston University Department of Physics

Summer 2012

Research Intern

Boston, MA

- Performed research in X-Ray Diffraction Laboratory, which included studying stress development and nanostructure formation during ion bombardment of silicon.

ACTIVITIES

Duke Electric Vehicles

2013-Present

Battery/Electronics Team Co-head

- Help design and test motorcontroller and battery management system to run a brushless DC motor for Duke's all-electric car team and Shell Eco-marathon race in May.

Delta Tau Delta Fraternity

2014-Present

Promotional Chair

- Oversee promotion and development of the fraternity in the public sphere, which includes designing a new chapter website, www.dukedelts.com

Duke Engineers for International Development

2013-2014

El Salvador Team

- Part of design team of clean water system for La Estancia, El Salvador. Traveled with team in Summer 2014 to install water tank, piping and filtration system to provide the community with clean, running water.

SKILLS

Programming Languages

Java, C, Python, HTML, CSS, PHP, JavaScript, MATLAB

Technical Skills

L^AT_EX, Arduino, web development, circuit design, OpenSCAD

Spoken Languages

English (native), Spanish (advanced proficiency)

HONORS AND AWARDS

Dean's List with Distinction- Duke University

Fall 2013, Spring 2014, Fall 2014

Valedictorian- Fairfield Ludlowe High School

Spring 2013

Eagle Scout Award

Fall 2012