Thomas Romano

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EDUCATION

2013 – PRESENT	**Duke University** Majors in Electrical & Computer Engineering, Computer Science Dean's List With Distinction: Fall 2013, Spring 2014 *Overall GPA: 3.962*
2009-2013	**Fairfield Ludlowe High School** Valedictorian *Overall GPA: 4.5934*

EXPERIENCES

CURRENT, FROM MARCH 2014

Duke Center for Metamaterials and Integrated Plasmonics
Research Assistant/Programmer

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

SUMMER 2012

Boston University, Department of Physics
Research Intern

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

2010–2013

Builders Beyond Borders
Student Advisor, Mentor, Fundraiser

Performed and led meaningful service projects both in Fairfield County and abroad, in Ecuador, Nicaragua, and Guyana.

2006-2013

Boy Scouts of America
Eagle Scout, Assistant Senior Patrol Leader

ACTIVITIES

2013–PRESENT

Duke Eco-Marathon Team
Battery/Electronics Division

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.

2013–PRESENT

Duke Engineers for International Development
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 filtratino system to provide the community with clean, running water.

2014–PRESENT

Delta Tau Delta Fraternity
Promotional Chair

Oversee promotion and development of the fraternity in the public sphere, which includes designing a new chapter website, managing social media and advertising public events.

Other Groups

Communication Manager for Brown Residence Hall House Council, cellist for Duke Symphony Orchestra, tour guide for Duke Undergraduate Admissions.

SKILLS

Programming Languages	Java, Python, HTML, CSS, Ruby/Ruby on Rails, MATLAB
Other Technical Skills	LaTeX, Arduino, circuit design and manufacturing, OpenSCAD
Spoken Languages	English (native), Spanish (advanced proficiency)