

# Thomas Romano

120 Charter Oak Rd. Fairfield, CT 06824  
(203) 913-8594  
thomas.romano@duke.edu  
<http://tomrom95.github.io>

## 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 filtration 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	L <sup>A</sup> T <sub>E</sub> X, Arduino, circuit design and manufacturing, OpenSCAD
Spoken Languages	English (native), Spanish (advanced proficiency)