

FALL 2016

# RPI ENGINEERING AMBASSADORS

ALUMNI NEWSLETTER

## Letter From the President

Hello Alumni!

My name is Tyler Brown, and I am the current president of Engineering Ambassadors at RPI. I am a senior dual majoring in Computer & Systems Engineering and Computer Science. I am very excited to be the president of the organization, following in the footsteps of great predecessors.

As the president of EA, my efforts are focused on collaborating with the other E-board members to continuously improve the organization. We have some incredible opportunities for our members and a multitude of goals that we wish to meet this year. Some of these include constructing a more robust logistical system, reaching new schools, introducing professional development events into meetings for our members, more smoothly integrating our new members, creating partnerships with additional corporations, and of course having fun as a group! Knowing how much we have already accomplished this semester, I have no doubt that Engineering Ambassadors can meet and surpass all of these goals. It is sure to be an exciting time!

Another one of our goals includes *you*. We have many alumni that have come through the program, all of who helped form the impressive organization we are today. One of our goals is to create a strong alumni network, which will enable us to get updates on all of the great work our alumni are doing and also to keep you informed with all of the exciting events and programs we have going on.

This newsletter is the first of many ways we hope to form that network. Additionally, we hope to collect and share updates on what our EA Alumni have done since leaving RPI in future newsletters.

I look forward to the year ahead as president of such an inspiring organization, one that continues to excite and motivate the next generation of engineers every day.

Sincerely,  
Tyler Brown



## In This Issue

- Member Spotlight
- Recruitment Update
- EA Partners with GD
- Recent School Visits

# MEMBER SPOTLIGHT



**Lauren Stenroos**

**Major:** Civil Engineering (M.S. 2017, B.S. 2016)

**Hometown:** Macungie, PA

**Presentations:** Structures, Concrete Infrastructure, Snowboarding

**Research at RPI:** Rebar-concrete bond degradation under combined effects of Alkali Silica Reaction and Corrosion

**2016 Summer Internship:** I worked for Ryan Biggs | Clark Davis which is a structural engineering firm out of Clifton Park. While I was there I completed structural design, restoration, and analysis on steel, concrete, timber, aluminum, and cold-formed metal framing structures.

**Favorite part of EA:** My favorite part of being an engineering ambassador is when a student approaches my partner and I and tells us how he/she wants to become an engineer one day!



**Luke Dvorozniak**

**Major:** Mechanical Engineering

**Hometown:** Cape Elizabeth, ME

**Presentations:** Advanced Bio-Manufacturing, Advanced Manufacturing, Manufacturing Polymers, Jet Engines

**Research at RPI:** Machining of Biological Composites

**2016 Summer Internship:** I worked at a company called Lanco Integrated. They make automated assembly systems (a.k.a. assembly lines) for the automotive, medical, and commercial sectors. I worked in their prototyping department and their machine concept department.

**Favorite part of EA:** It's great to see kids that are passionate about engineering and hear about all of the cool things they are already doing.

## Recruitment Update

Our 2016 cohort consist of 14 new EAs expanding 8 different engineering majors. After returning from the conference held at Penn State in September , some of the presentations they created include Global Positioning Systems, Designing a Safe Coaster, and Radioisotopes (Nuclear Medicine), among others.



# EA PARTNERS WITH GD

This November the Engineering Ambassadors will be conducting a workshop at General Dynamics location in Pittsfield, MA where we will be training their employees in effective outreach techniques. The workshop will be a two-day long event run by a select group of EA's where GD employees will work in groups to create outreach presentations. Kianna Brevig, the current Financial Development Coordinator explains, "We wanted to put on a 'mini-conference' for the General Dynamics employees similar to what we all went through when we joined EA. It will be a little weird teaching adults who are older than us, but it should be a really amazing experience." This conference is to be held on November 18th and 19th. Hopefully this experience will lead to more opportunities for networking for current EA's, increased outreach effort in the local communities and more pathways to future EA/corporate relationships.

We would like to thank Ali Wells, the Financial Development Coordinator from 2015-2016, for all of her hard work in beginning the process that not only led to this partnership, but also laid the groundwork for future partnerships.



**GENERAL DYNAMICS**

## Recent School Visits



Cairo Durham Middle School



Ballston Spa Middle School