

# SAMUEL T. ELLIS

Rensselaer Polytechnic Institute

B.S. Mechanical Engineering

GPA: 3.48 / 4.00

## EXPERIENCE

**Raytheon** Mechanical Engineer, April 2015 - Present, Tewksbury, MA

- + Manufacturing floor support for mechanical issues on subassemblies
- + Design proofing with tolerance analyses, material specifications, & hardware compatability
- + Correspond with suppliers to initiate design changes and updates
- + Write and monitor drawing revision changes in Product Data Management

**Way Better Snacks** Marketing Correspondent, July 2014 - March 2015

- + Promote products through demos at different stores and events
- + Network with store managers & suppliers to expand the brand

**EZCoaching Online** Engineer/Web Dev, January 2014 - June 2014, Troy, NY

- + [Web App] Front End design implementation for swim practice creation & tracking
- + [Wearable Device] Product design and proof of concept model creation and testing

**Timken Aerospace** Product Engineer, May 2013 - August 2013, Lebanon, NH

- + TeamCenter search category creation to increase efficiency and ease of use
- + Reduced failed searches by 200% through reference doc creation & communication

**Hasbro** Product Design Engineer, January 2012 - July 2012, Providence, RI

- + Design for plastic injection molding for multiple board game lines
- + 3D print prototype designs to test with marketing & ensure proper game functionality
- + Creation of product specifications (BoM, packaging, weekly capacity, country forecast)

## LEADERSHIP & ACTIVITIES

**The Inventor's Guild** - Rensselaer Polytechnic Institute

- + Mechanical Engineer & Web Developer for multi-award-winning student think-tank
- + Presented multiple ideas at student expos to secure prizes and promote projects

**Varsity Indoor/Outdoor Track & Field Captain** - Rensselaer Polytechnic Institute

- + Supervise freshman study hall and organize pre-season training practices
- + Work with coaches to plan team events and meets for over 100 student athletes

## PROJECTS

**Rostock Max v2 3D Printer Build**, Early 2016

- + Assemble and calibrate the Rostock Max v2 - 11" diameter x 14" build volume
- + Design and print various objects to organize different items around the house

**Probot** Mechanical Design Engineer, April 2013

- + Programmable robot to help children learn programming and puzzle solving skills
- + Rapid prototyping, project renders, mechanical system and customization selection

## SKILLS & CERTIFICATES

- + Proficient with SolidWorks, ProEngineer, Microsoft Office, Windchill PDM, 3D Printing
- + Prior experience with HTML, CSS, Javascript, Excel VBA, MATLAB, C, Python

**Secret Security Clearance, ASME GD&T Technologist Level Certified**