Philip Rocco Posillico

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## Education

**Bachelor of Science in Aerospace Engineering** (2009-2015)

**Florida Institute of Technology**, Melbourne, Florida

* Important Classes: Aerospace Computational Techniques, Aerospace Structures, Rocket & Mission Analysis, Thermodynamics, Mechanics of Materials, Control Systems, Experimental Aerodynamics, Aerospace Practicum, Air-Breathing Engines, Astronomy, Space Science, Circuit Theory

## Experiences

**PLW Modelworks** (Nov 2015-May 2016)

* Created and cleaned textures and 3D models of actual cities from survey data
* Assisted in quality assurance of textures

**Advantek Inc** (Sept 2015-Nov 2015)

* Engineering Consultant, traveled to install HVAC hardware & software
* Acted as IT specialist during travel
* Programmed C code for data collection systems

**Coin Sentry LLC** (June2014-May 2015)

* Created investment tools in C++ & Visual Basic languages
* Built and maintained a 50+ TeraFLOP computer

**Research at Florida Institute of Technology**

* Thermal gradient airfoils, and the effects on lift and drag coefficients
* Pressure gradient fiberglass composite impact tests
* “MuSE” Modular Microgravity Slosh Experiment, 2012-2013
* Won ‘Best in Aerospace’ award at the ‘Northrop Grumman Florida Tech Showcase 2013’
* Designed C++ program and interface to capture data onboard a “Zero-G” aircraft
* Helped plan deadlines and manage tasks as team manager

**USAF-AUX Civil Air Patrol** (2005-2009)

* Hanscom AFB & Beverly Composite Squadron MA
* Earned rank of Cadet 2nd Lt., Pilot, and grade of Flight Commander
* Demonstrated leadership capabilities, created pilot training opportunities for the squadron
* Awarded 2008 Cadet of The Year Beverly Composite Squadron MA
* Holds two Massachusetts House of Representatives recognitions for aerospace projects

## Skills

**Computer**

* Creo/ProE, Matlab, ANSYS, Solidworks, AutoCAD, Labview, MathCAD, C++, C, Visual Basic, GIMP, Adobe Acrobat DC, Photoshop, HTML, CSS, Microsoft Word/Excel/Access

**Equipment**

* Computer Hardware, Drafting, Metal / Wood / Composite Fabrication, Soldering, ARC/MIG Welding

**Languages**

* English, Some Spanish

## Activities

* 50+ hours towards private pilot, Formula SAE, AIAA, and SSPI member
* Stock Options & Cryptocurrency enthusiast