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 (June 2014-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