Philip Rocco Posillico

linkedin.com/in/posillico posillico.github.io pposillico2009@my.fit.edu (978) 473 3078

## Education

**Florida Institute of Technology** (2015)

**Bachelor of Science** in **Aerospace Engineering,** Control Systems Focus

## Experience

### Fortuna Mining LLC - Director of Operations, Co-Founder (July 2021 - )

* Built and operated a small 20kW cloud computing facility
* Consulted small business on blockchain technology

### Helio Labs LLC - Aerospace Engineer, Founder (Mar 2020 - )

* Lead a team through multiple Phase I NASA SBIR proposals
* Proposed a CubeSat radio subsystem and protocol for multilateration and distributed networking
* Analyzed feasibility of Microsatellite / CubeSat deorbit dragsail designs

### Trilogic Technologies - Engineer (May 2019 - Apr 2020, Feb 2022 - )

* Investigated plasma airfoil thrust and flow control technology
* Lead Programmer for embedded tracking systems, computer vision research
* Maintained a direct customer relationship, and promoted new improvements

### Self-Employed - Freelance CAD Designer & Day Trader (Nov 2017 - Mar 2020 )

* Worked as a freelancer on mechanical CAD designs with Solidworks, Creo and AutoCAD
* Designed and managed algorithmically traded Stock Options

### PLW Modelworks - 3D Modeler & Texture Designer (Nov 2015 - May 2016)

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

### Advantek Inc - Engineering Consultant (Sept 2015 - Nov 2015)

* C Programmer and IT specialist during delivery and development of HVAC systems

### Coin Sentry LLC - Programmer, Co-Founder (June 2014 - May 2015)

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

### Researcher & Student at Florida Institute of Technology (2012 - 2015)

* Thermal gradient airfoils, and their effects on lift and drag coefficients
* Pressure gradient fiberglass composite impact tests
* Team Lead - “MuSE” Modular Microgravity Slosh Experiment
* Won ‘Best in Aerospace’ at the ‘Northrop Grumman Florida Tech Showcase 2013
* Designed C++ program and interface to capture data onboard a “Zero-G” aircraft

## Skills

### Engineering Software

* Solidworks with Flow Simulation, Creo/ProE, Matlab & GNU Octave, AutoCAD, Labview

### Software Development

* Python, Java, C++, Git, Jira, OpenCV, Mongo, VirtualBox, Debian Linux, Photoshop/GIMP, HTML5, CSS3, Microsoft Word, Excel, Access

### Equipment

* Circuit Test & Diagnostics, Soldering, FDM 3D Printing, Metal Fabrication, Wood Fabrication, Composite Fabrication, ARC & MIG Welding, 4 Axis CNC Programming and Operation, Server and IT Hardware

## Activities

* 50+ hours towards Private Pilot License
* Formula SAE, AIAA, and SSPI member
* Stock and Option algorithmic trading enthusiast
* Amateur Astronomy