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