

Jay Greco
Electrical Engineer
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I'm an electrical engineer with a knack for thinking big. I am curious, motivated, and strive to learn and improve. I love to dive deep into difficult problems, work hard, and collaborate with an interdisciplinary team to develop cutting-edge products.

Recent Professional Experience

Tensentric Electrical Engineer

July 2015 - present

- **Electrical hardware lead, *Project Azure*:** Lab automation device design for the largest scientific instrument company in the world.
 - Interfacing with software, mechanical, and management to deliver a successful product to customers
 - Driving system and low-level design, system bring-up, integrating, testing, documenting, and delivering complex electrical systems at the prototype and production level
 - Project deliverables include schematics, PCB layouts, cable designs and drawings, finalized components and subassemblies, and documented engineering and real-world testing
- **Formal documentation and verification testing:** Responsible for requirements and test protocol creation, test system design, and formal execution of software/hardware verification & validation (V&V) for multiple projects.
 - Included hardware fixtures & related test systems, tool documentation, and formal tool validations

Other Professional Experience

National Instruments Electrical Engineering Intern

Summer 2014

Emerson Process Management Engineering Intern

Summer 2013

Colorado Power Electronics Center (CoPEC) Undergraduate Researcher

2013 - 2015

Other Relevant Skills and Experience

- Following established best practices and guidelines such as coding conventions, project templates, and electrical DFx (Design for Reliability, Manufacturing)
- Programming and scripting in C/C++, C#, Python, MATLAB
- Solidworks CAD and additive manufacturing (FDM, SLA)
- Completion of designs using Mentor Graphics, Cadence Allegro, EAGLE, Altium Designer
- Power electronics theory, design and multiple completed power electronics design
- Experience working with prototyping, manufacturing, and assembly houses for PCB procurement
- Comfortable quickly iterating on prototype hardware: design, procure, bring-up, test, spin, and repeat
- Growth mindset, excellent problem-solving and communication skills, a good attitude, and high standards

Education

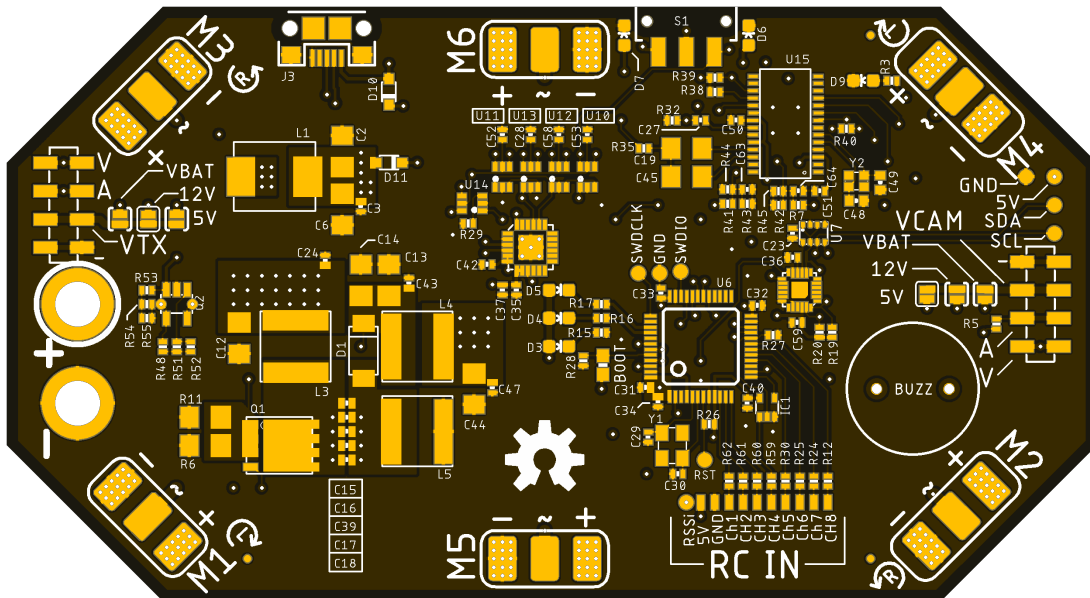
University of Colorado Bachelors of Science, Electrical Engineering

May 2015

- GPA 3.96/4.0, Summa Cum Laude
- Power Electronics & Control Systems tracks, certificate in Engineering Leadership
- Extensive undergraduate lab study under Profs. Dragan Maksimovic and Robert Erickson

Extracurricular Activities

- Design, build, test, & flight of multiple civilian small unmanned aerial systems (sUAS)
- Hardware hacking, teardowns and reverse engineering, including a popular blog post on reverse engineering the Amazon Dash Button (see blog.jay-greco.com)
- Consumer multirotor design, including a fully open-source flight controller with integrated power delivery system and on-screen display (see jay-greco.com/openai0)



References, Detailed Project Descriptions, and Design Files & Sample Work Readily Available Upon Request