

Jason Savery



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SKILLS/DESIGN EXPERIENCE

Solidworks PDM Admin	Solidworks 3D and Simulation
Sheet Metal	Cast Metal
Machined Parts	Wire Harness
Electronics Packaging	Component Selection
Welding	GD&T
DFM	DFA

INTERESTS/HOBBIES

Gardening
Hydroponics
Automation
3D Printing
Cooking

WORK EXPERIENCE

RL Controls

Mechanical Engineer

(January 2019 - Present)

Mechanical engineer responsible for design, prototyping, and manufacturing of custom mechanical parts for the public transportation industry.

- Designed custom mechanical parts to interface off the shelf electronic and RF components for rail and bus, onboard and wayside
- Designed parts for integration into existing rail and bus vehicles for overhaul projects
- Designed and tested parts to exceed rigorous standards such as EN50155 for railway applications
- Built and maintained bill of materials (BOM) for multiple concurrent projects
- Designed, maintained, and administered Solidworks PDM implementation and company-wide part numbering scheme
- Worked closely with multidisciplinary engineering team to deliver products with typically accelerated timelines

STV Inc

Systems Integration Specialist (contract role)

(July 2018 - December 2018)

Reviewed system wide design documentation for the MBTA Green Line Extension Project (GLX) including civil, mechanical, electrical, communications, and other systems. Managed requirements traceability matrix (RTM) and interface control documents (ICD).

Yaskawa - Solectria Solar

Mechanical Engineer

(September 2016 - June 2018)

Responsible for the mechanical design and sustaining of solar inverters and string combiners ranging between 600V and 1500V with power output up to 750kW.

- Tasked with design of mechanical parts including bus bars, wire harnesses, sheet metal enclosures, and component layout of new and legacy products
- Led sustaining tasks including new model release, customer requests, customer service, and cost savings initiatives on 10 years of legacy and active products deployed in the field
- Designed, built, tested, received UL compliance marks, and released new products sold in USA

Essess, Inc

Mechanical Design Engineer

(December 2014 - June 2016)

Assisted with designing, prototyping, and deploying a car-based thermal surveying equipment.

EDUCATION

University of Massachusetts Lowell

Bachelor of Science Mechanical Engineering

(September 2010 - May 2014)

Design of Composite Materials, Aero/Wind Design, Design of Machine Elements, Fluid Mechanics, Heat Transfer, Dynamic Systems, Linkage Design, Ocean Engineering