github.com/vladi3ir
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Vladimir Stefanovski

Experience

Design & Release Engineer — 2014 - present
Product Development - Global Powertrain Cooling — Dearborn, MI

- Led teams of 5-10 engineers in developing the next generation Engine Cooling Systems
- Responsible for 100+ components across 4 programs from cradle to grave development stages
- Managed and coordinated timelines DVPR/PVPR testing on Cooling System
- Successfully achieved milestone deliverables by effectively managing suppliers, prioritizing open issues and facilitating cross functional problem solving
- Ethically problem solved design issues, testing failures and build integration issues by honoring Engineering Specifications, program timing and deliverables.
- Contributed to strong Ford brand by managing part Quality, Cost, Weight, Function and Timing
- Practiced an agile approach to iterative product design resulting improved turnaround on team issue resolution

KIRCHHOFF GRUPPE

Prototype Development & Launch Engineer — 2011-2014
Corporate Manufacturing Team — Toronto, ON

- Lead team of 5 skilled trades to launch laser welding cells across 4 plants over 16 months
- Reduced cycle time by 9% incorporating traveling salesman algorithm to welding robot motion
- Programmed ABB robot software for 6 axis robot and communication to PLC/Weld cells
- Optimized production cycle time by simulating robot motion in virtual environment
- Developed production lines for large metal stamping/welding prototype assemblies and launch on the GM K2XX truck/SUV Grill Opening Reinforcement - production volume 4m/year

Tool-Tec Welding Inc. — Summer 07' & 08'
Manufacturing Engineering Student — Windsor, ON

- Developed a 3D printing TIG welding cell for reworking injection mold tooling
- Applied DOE's to determine the effects of weld parameters on weld geometry
- Developed code for ABB Robot paths, orientations and configurations
- Attained valuable skills in debugging code and troubleshoot machinery with technicians

Education

University of Waterloo - MASc Mechanical Engineering — 2008-2010
(Automation & Control)
Thesis - Investigating the Effects of Controllable Parameters on GTAW Bead Geometry

University of Windsor - BASc Mechanical Engineering — 2004-2008
(Automotive Engineering)
SAE Supermileage Powertrain - design, build, test of 75cc 12:1 CR IC engine