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Vladimir Stefanovski

Experience

Product Development - Global Powertrain Cooling D&R — 2014 - present, Dearborn, MI

- Led 5-10 person Supplier and Ford teams to resolve design issues, DV/PV failures and build integration issues while honoring Engineering Specifications, program timing and deliverables.
- Responsible for the release of 100+ components across 4 programs from cradle to grave
- Developed and tracked progress for supplier DVPR/PVPR testing on Transmission Oil Coolers, cooling hoses, Pumps and Valves
- Successfully achieved milestone deliverables by effectively managing suppliers, prioritizing open issues and facilitating cross functional problem solving
- Delivered the Quality, Cost, Weight, Function and Timing for Powertrain Cooling Components
- Practiced an agile approach to iterative product design resulting faster turnaround on urgent build issues

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

- Launched 11 6kW laser welding lines 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', Windsor, ON

Manufacturing Engineering Student

- 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 (Automation & Control) — 2008-2010

Thesis - Investigating the Effects of Controllable Parameters on GTAW Bead Geometry

University of Windsor - BASc Mechanical Engineering (Automotive Engineering) — 2004-2008

SAE Supermileage Powertrain - design, build, test of 75cc 12:1 CR IC engine

Udemy: Machine Learning A-Z Python Anaconda — Sept 2018

Udacity: Self Driving Car Engineer Nanodegree — Dec 2018

For more information please visit https://vladi3ir.github.io/