Vladimir Stefanovski

vlad.stefanovski@gmail.com | 226-350-0464 | Linkedin.com/in/vladstefanovski/ vladi3ir.github.io

An Engineer with 10+ years experience in Automotive Manufacturing and Design; working on a variety of projects from Design of Electromechanical Systems to Web Development. I enjoy building new technologies with curious people by designing, testing, and launching robust products.

EDUCATION

Product School	Product Management Certificate	Sep 2022
Grand Circus Detroit	C# .Net Backend Coding Bootcamp	Jun 2019 – Dec 2019
University of Waterloo	Masters of Applied Science - Mechatronics	Sep 2008 – Sep 2010
University of Windsor	Bachelors of Applied Science - Automotive	Sep 2004 – Sep 2008

PROFESSIONAL EXPERIENCE

Design & Release Engineer — Oct 2022 – present
Transmission Electronic Drive Modules
Stellantis, Windsor, Ontario

- Owned the design, test, documentation, build, quality of High Pressure Die Casting Structures A380 for Electric Vehicle Gearbox Housings on high volume STLA Large/Frame Platforms
- Led redesign efforts and trade off studies with manufacturing partners to reduce scrap and weight by balancing requirements for vehicle packaging / GD&T / CAE Internal and External loads / NVH / MagmaSoft
- Effectively resolved design and manufacturing interface issues with bearings,mounts,gears,bolts,park system,seals, wiring by facilitating discussions, framing issues/solutions, recording agreements, implementing changes.
- DRBFM, Source Packages, Fastener Testing, EBP, Sand Castings

Feature Systems Engineer — Nov 2021 – Aug 2022
Ford Motor Company, Dearborn, MI

- Executed a Data Creation/Collection/Visualization audit strategy for new and minor modified vehicle Features
- Developed a standard framework for defining primary KPI visualizations for features prior to Data Collection
- Worked with data scientists to refine KPIs based on real vehicle data for ICE, HEV, PHEV, and EV's;P702,P708, CX727

Design & Release Engineer — Oct 2014 – Nov 2021
Global Powertrain Cooling
Ford Motor Company, Dearborn, MI

- Owned the end-to-end delivery of Quality, Cost, Weight, Function and Timing of ICE and HEV cooling systems
- Exercised utmost due diligence when signing-off new or modified 2D,3D CAD, DFMEA, DVPR, PVPR, 5D, 8D
- Responsible for 100+ components, 5 suppliers, across 8 programs from cradle to grave development stages
- Successfully released electric pumps, valves, and fans; heat exchangers, hoses, tubes and fasteners
- Awarded Top Achiever in 2021; Redesigned parts for cost resulting in $2.2MM saved; 20% of dept roadmap
- Facilitated weekly reviews with suppliers; Maintained/tracked/closed status of open issues related to CAD packaging, validation testing or integration issues without any compromise to Requirements/Specification
- Led a multi-program, high volume sourcing package in 2016 for electric pumps/valves; $2 piece price save
- 3x Led suppliers to recover from severe material shortages that risked shut down of Chicago Assembly Plant
- Regularly presented, easy to understand proposals and scenarios to TS's, Management and Chief Engineers
- Often collaborated with CAE team to resolve DV failures by redesigning distribution of coolant flow/pressure
- Worked on Programs: CD4 '17- Fusion, Continental, Edge; CX482/3 '20 - Escape, Corsair; CD6 '20 - Explorer, Aviator

Prototype Development & Launch Engineer May 2011 – Oct 2014

Kirchoff Group Corporate Center, Aurora, Ontario

- Launched 11 production Trumpf PFO laser welding cells across 4 plants in 16 months ; GM K2XX GOR
- Reduced production cycle time by 9% incorporating traveling salesman algorithm to reduce robot path
- Programmed ABB 6 axis robots and I/O for PLC communication to Weld cells