

Vladimir Stefanovski

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An Engineer with 9 years experience in Hardware and Software Development; 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	<i>Product Management Certificate</i>	Exp Comp Sep 16 2022
Grand Circus Detroit	<i>C# .Net Backend Coding Bootcamp</i>	Jun 2019 – Dec 2019
University of Waterloo	<i>Masters of Applied Science - Mechatronics</i>	Sep 2008 – Sep 2010
University of Windsor	<i>Bachelors of Applied Science - Automotive</i>	Sep 2004 – Sep 2008

PROFESSIONAL EXPERIENCE

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

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 prints, 3D CAD, 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
- 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
- Designed the assembly process, cycle time, labor studies, PFMEA for welded assemblies

Founder & Software Engineer Dec 2021 – Mar 2022
Synopticon.org

- Single-handedly built a .NET Core MVC webapp from scratch using bootstrap, HTML, CSS, JS, Ajax
- Backend code, ORM, SQL CRUD using Dapper, Identity for user authentication