**Perry (P.T.) JOnes**

 Knoxville, TN 37934 genxpt@gmail.com C: 865.386.2788

**Qualifications Summary**

Accomplished and results-oriented Vehicle Systems Engineering and Business Strategy Managerwith extensive technology research, product development and design experience and a successful track record with progressively increasing responsibilities. Providing value to organizations through leadership of cross-functional teams, productive partnerships and guiding project strategy with practical applications in the following **Areas of Experience and Expertise:**

|  |  |
| --- | --- |
| * Leadership & Mentoring Mgmt. style
* Familiar with DOE VTO operations, strategy and funding procedures
* Strong presentation & communication skills at every level of business
* Project Portfolio Strategy & Planning
* Powertrain and Subsystem integration
 | * Development, Validation Plan & Reporting (DVPR)
* USDRIVE and 21CTP project focus areas
* Strategic Sourcing, Quality & Supplier Management
* Systems Engineering and Understanding of Functional Safety Electrical perspective (AFSP Certification)
* Vehicle & Technology Benchmarking, Evaluation, Simulation and Testing
 |

**Professional Experience**

**Oak Ridge National Laboratory (ORNL) 04/19 - present** **(&** **11/10-11/15)**

*Department of Energy (DOE) Science Laboratory - operated by UT-Battelle*

**Technical Professional, Vehicle Systems Research, Knoxville, TN**

* Support of USDRIVE and 21st Century Truck Partnership and advance the strategy of Vehicle Systems Research group
* Operating Agent for International Energy Association (IEA) task 45 on electrified roadways
* Currently on direct detail supporting Energy Eff. Mobility Systems (EEMS) Program at DOE HQ

**Advanced Vehicle Systems (AVS) Program Manager*,***  **11/10-11/15**

AVS Program Manager and relationship contact for DOE’s Vehicle Systems Technology Manager. Developed vehicle and transportation research program strategy, personnel and equipment resource balancing to ensure program deliverables met and milestones accomplishments.

* Project Manager for ORNL’s Wireless Power Transfer (WPT) projects for DOE
* Led Multi-Lab effort to evaluate Electric Postal Vehicle research, testing and reporting structure
* Principle Investigator (P.I.) for Green Racing - Alternative Energy Motorsports Initiative, guiding DOE direction for sustainable motorsports resulting in 35% Petroleum reduction compared to 2008
* P.I. for EV Taxi R&D simulation and additional advanced EV technology concept investigations
* Operating Agent for International Energy Association (IEA) task 26 on wireless charging of EVs
* Presented at SAE and international conferences on advanced transportation related research topics

**General Motors Corporation, North American Operations,** Detroit, MI **10/98-04/05**

*OEM of Cars, light and medium duty trucks for domestic and international markets.*

**Engineering Program Manager -Challenge X*,*** (now called EcoCAR - Milford, MI (2003-2005)

EcoCAR is a GM and Department of Energy (DOE) sponsored University Vehicle competition that mentors students and introduces universities to the phase gate automotive development process.

* Managed GM mentor team (17 mid-level engineers) and built foundation for EcoCAR competition
* Created modified Vehicle Development Process to maximize student touch points with vehicle simulation and modern phase gate vehicle development processes
* Engaged GM leadership to provide support to align program with corporate sustainable initiatives

**Performance Integration Team Lead*,*** Milford Proving Grounds - Milford, MI (2000-2003)

Responsible for NVH & Structure development of Hummer H3 SUV from Market definition to creation of technical specifications and vehicle/sub-system release into production.

* Coordinated DVPR testing and ride evaluations for vehicle and system performance benchmarking
* Developed new testing procedures and evaluation techniques as well as education of leadership in market expectations (based on previous High Energy Field Test evaluation experience)

**Design Release Engineer (Alternative Energy)*,*** Truck Product Center - Pontiac, MI (1998-2000)

Led fuel system and chassis integration group in development and production release (including meetings manufacturing requirements) of large scale alternative fuel system.

* Coordinated supplier development and validation (outside GM vender selection process required)
* First assignment with student competitions which led to Engineering Program Mgr. Role in 2003
* Transitioned from contract powertrain integration engineer at the request of GM mgmt.

**Allegheny Science & Technology (AST)**  **05/17-03/19**

*Department of Energy (DOE) support contractor*

**Senior Vehicle Technologies Consultant,**Knoxville, TN

Continue to support of DOE Vehicle Technologies Office (VTO) in aspects of technical project management and technology road mapping to ensure the sustainable nature of future transportation systems and R&D programs. Active participant in the USCAR; USDRIVE tech team activities and project evaluation activities within VTO.

**MasterCraft Boats,** Vonore, TN **04/07-05/09**

*Manufacturer of Premium Quality Tow Sport Boats.*

**Design and Engineering Manager*,*** Vonore, TN

* Lead cross-functional Design and Engineering resources to successful project and product releases
* Performed valuation of concepts in portfolio, manufacturing quality and process improvements
* Engaged dealer network to develop market indicators for new product market penetration

**Proterra, Inc.**  **01/18-9/18**

*Composite Electric Bus and Advanced Transportation Technology Company*

***Senior Manager Vehicle Integration,*** Greenville, SC

Coordinate matrixed operations in the development, testing and validation of all aspects of design for composite plug-in electric busses, while engaging existing leadership with new understanding of project portfolio prioritization & phase gate process and benefits of commitments to resource leveling.

* Enabled launch of critical new product by reducing development timeline to less than 8 months
* Mold and tooling projects allowing integration of new technologies to production in under 3 months
* Led projects for subsystem manufacturability reducing part cost and station process time by 50%

**DeltaWing Technology Group (DWTG)**  **12/15-12/16**

*Parent company for Elan Composites Group, DeltaWing Mfg, Panoz Automotive and DeltaWing Racing*

**Chief Operating Officer and Board of Directors (Board of Directors until 3/19)*,*** Braselton, GA

Manage all aspects of corporate business, interaction between finance and operating divisions including resource allocation and supplier development/alliances to expand carbon fiber & OEM customer base.

* Evaluated technologies and partners to align the company vision
* Led BOM cost reduction for primary PANOZ revival project of 13% versus legacy product
* Developed team and implemented foundational operating processes and quality (AS9100) initiatives
* Established internal quality committee which led to AS9100 certification in under 4 months
* Developed & constructed running prototype chassis and tested DeltaWing#1 in under 8 months

**Education**

**Bachelor of Science in Aerospace Engineering -** Iowa State University, Ames, IA

 **Automotive Functional Safety Professional (AFSP) ISO 26262 training & certification 03/17-5/20**