

CHASE HAMPTON WILLIAMS

9355 Skeeter Dr., Orange, TX 77632
Cell 409.790.8842 • williamschaseh@gmail.com

PROFESSIONAL SUMMARY

Innovative and strategic leader with over a decade of experience in vehicle technology, driver assistance systems, autonomous driving, electric vehicles, and safety-critical program management. Demonstrated success in leading global operational and functional safety efforts, including comprehensive vehicle risk assessments and fleet incident investigations for major transit operators such as FirstGroup, First Student, and Greyhound. Proven ability to collaborate across functions with top OEMs, ADS developers, and regulatory agencies—including NHTSA, USDOT, and the Volpe Center—to advance transportation safety. Skilled in managing complex safety systems, risk mitigation strategies, project planning, and stakeholder communication to drive the safe deployment and accelerated adoption of EV, AV, and mobility technologies.

CORE COMPETENCIES

- **Strategic Program Management:** Expert in managing strategic cross-functional projects, from conception through to execution, ensuring alignment with organizational goals.
- **Technical Leadership in AV & EV Sector:** Deep understanding of Autonomous and Electric Vehicle technologies, industry standards, and the e-mobility ecosystem.
- **Operational & Safety Excellence:** Strong focus on safety standards, compliance, and operational efficiency, driving technological innovation across sectors.
- **Cross-functional Collaboration:** Skilled in collaborating with diverse teams, including Legal, Site Development, and IT, to achieve project milestones.

PROFESSIONAL EXPERIENCE

LEVEL 6 LLC, Cheyenne, WY

Oct 2018 – Present

Managing Director, CAV & EV Technology Advisor

Specializing in operational and functional vehicle safety across advanced driver assistance systems (ADAS), autonomous vehicles, and complex electromechanical subsystems. Core competencies include safety analysis, root cause investigation, crash and incident reconstruction, and regulatory compliance. Routinely engaged in evaluating the design, implementation, and real-world behavior of vehicle safety systems, with a particular focus on system failure modes and human-machine interface design. Proficient in applying ISO 26262 (Functional Safety) and ISO/PAS 21448 (SOTIF – Safety of the Intended Function) standards to assess the performance and limitations of safety-critical functions under both faulted and non-faulted conditions.

MOTIONAL, Las Vegas, NV

Sep 2021 – Sep 2023

Principal ADS Safety Case Engineer

Led the end-to-end development of the safety case for Motional's Level 4 autonomous driving system, overseeing a multidisciplinary team of systems engineers, software developers, and safety analysts. Ensured alignment with ISO 26262 and UL 4600 standards, as well as internal safety governance protocols. Coordinated hazard analyses (HARA), functional safety concepts, and SOTIF assessments across development teams. Acted as the primary interface between engineering functions and executive leadership for safety assurance activities - translating technical risks into strategic insights to guide key program decisions. Drove iterative safety validation processes,

maintained audit readiness, and contributed to organizational safety culture through mentoring and cross-functional alignment workshops.

STANTEC, Edmonton, Canada

Sep 2019 – Sep 2021

Autonomous Vehicular Subject Matter Expert Advisor

Served as the principal advisor on autonomous vehicular systems, guiding public and private sector clients through the evaluation, integration, and risk management of emerging transportation technologies. Spearheaded strategic assessments and deployment planning for semi-autonomous and advanced driver assistance systems (ADAS), with a focus on functional safety, regulatory readiness, and system interoperability.

Cofounded *GenAV*, a now-defunct internal business division at Stantec dedicated to the advancement of connected and automated vehicle (CAV) technologies. In this role, led multidisciplinary engagements focused on operational pilots, infrastructure readiness, and safety case development, while fostering cross-sector collaboration between municipalities, transit agencies, OEMs, and technology developers.

MUNICH REINSURANCE AMERICA, Princeton, NJ

May 2019 – Sep 2021

Global Mobility, Specialty Insurance Product Development, CAV & EV Technology Advisor

Development and execution of an operational and functional safety analysis platform for autonomous vehicle / advanced driver assistance system developers and organizations adopting next-generation passenger transportation, product delivery solutions, and industrial automation;

QUANTITATIVE SCIENTIFIC SOLUTIONS, Arlington, VA

Apr 2020 – Sep 2020

Transportation Consultant, AV & ADAS SME

Directed advanced automotive technology projects, focusing on autonomous systems, safety, and compliance, demonstrating expertise in technical program management.

FIRSTGROUP PLC, Cincinnati, OH

Jul 2017 – May 2019

Group Engineering & Operations Manager, Autonomous & Vehicular Technology

Engineering Board Member

Developed and managed strategies for the adoption and operation of autonomous vehicles across FirstGroup divisions, including First Bus, First Rail, and Greyhound. Conducted global risk assessments for autonomous vehicles. Introduced ADAS to fleet vehicles, reducing incidents annually by nearly 40 percent.

EDUCATION & CREDENTIALS

Master of Science in Mechanical Engineering, 2019

KETTERING UNIVERSITY, Flint, MI

Artificial Intelligence Executive Business Strategy, 2018

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA

Self-Driving Vehicle Engineer, 2018

UDACITY, Mountain View, CA

Bachelor of Science in Electrical Engineering, 2010

LAMAR UNIVERSITY, Beaumont, TX

Professional Development

- Extensive experience with key PM tools (Gantt, RACI, Smartsheet, Jira, Confluence), underpinning the capability to manage dependencies and report progress efficiently.
- Continuous engagement in autonomous vehicle training, project management, and Lean Six Sigma methodology, aligning with best practices in program management.

Industry Memberships

Active member of SAE, ITE, IEEE, AMA, EO, and ISA, highlighting a commitment to continuous learning and industry engagement; Various SAE Task Force involvement;