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SUMMARY

Experienced automotive engineer with over 20 years of experience designing, testing, and optimizing parts for top automakers. Have contributed to 11 different car models over career, many of which have received international recognition for superior safety and performance. Past eight years of work have been dedicated to implementing designs for fuel-efficient and hybrid vehicles, including the first all-electric car released by Troy Motors in 2012.

Design Review	Reliability Testing	Quality Control
Calibration	Digital Modeling	Concept Testing

PROFESSIONAL EXPERIENCE

2004 - Present**TROY MOTORS** Detroit, MI
Senior Automotive Engineer
Internationally-known auto manufacturer with 2.5 million cars sold in the US over past year. Hired to assist with the implementation of new fuel efficiency standards set by company in 2004. Since then, have increasingly contributed to company's hybrid, alternative fuel, and electric models.

Models Worked On: Edison (2012 and 2013 model years, braking system), **Amira** (2010 – 2012 model years, fuel management system), **Surge** (2008 – 2011 model years, braking system), **Bear** (2006 and 2007 model years, powertrain), **X100** (2005 and 2006 model years, powertrain and braking system)

Key Projects:

- **2012 Edison** – Troy Motors' first all-electric car, released in 2012. Contributed to the design of new regenerative braking system. Company is in process of introducing same braking system into two other models, following stellar feedback from independent reviewers.
- **2010 Amira** – Sub-compact car released for the first time in US after several years of successful sales in Europe and Asia. Helped with adapting model's existing fuel system to meet EPA standards before introduction to US market.
- **2008 Surge** – Company's first hybrid car, which was released simultaneously in all international markets. Designed and tested braking system and verified compliance in markets outside of the US.

1998 - 2004**AMERICAN AUTOS** Detroit, MI
Automotive Project Engineer
Third-largest domestic auto manufacturer, with 1.3 million cars sold in 2004. Primarily worked with company's line of compact and mid-size cars, and was involved in early stages of development of company's well-known "Iota" platform.

Key Projects:

- **2004 I20** – Compact sedan based on the Iota platform also used with the Inspire. Assisted with development of dual-clutch transmission to boost fuel economy by 20% compared to previous model year.
- **2001 Inspire** – Refresh of company's top-selling sedan. Responsible for designing and testing new braking system, which received best-in-class safety ratings from independent reviewers.
- **1998 Viva** – First car made by American Autos using the Iota platform. Worked on power steering components, many of which have been shared among other models in later years.

1994 – 1998**YAMATO MOTOR COMPANY** Dearborn, MI
Automotive Engineer
Japanese automaker with North American operations based in Dearborn, MI.

Models Worked On: **Venture** (1995 – 1998 model years, transmission and power steering), **Tailgater** (1995 model year, powertrain).

Key Projects:

TECHNICAL PROFICIENCIES

SAP	HyperMesh	Simlab
AutoCAD	GT-Suite	SAP

EDUCATION

1994**UNIVERSITY OF MICHIGAN – DEARBORN**
M.S. in Mechanical Engineering
1992**OHIO STATE UNIVERSITY**
M.S. in Mechanical Engineering