HENRY DAVENPORT

Logistics Innovation | Data Analytics
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SUMMARY

Data-driven engineering leader delivering impact through innovation, problem-solving, & process optimization. Combines advanced analytics expertise with strong leadership, turning technical concepts into actionable insights.

CORE COMPETENCIES

Business Intelligence	Data Analytics & Visualization
Data Engineering	Data Modeling
Process Automation	Internet Scripting
Web Development	ETL/ELT Processes
Machine Learning	Agile Development
Project Management	Lean Six Sigma

EMPLOYMENT HISTORY

Logistics Group Leader, Data Analytics & Quality, BOSCH

OCTOBER 2024 — PRESENT

Lead cross-functional team driving supply chain optimization and quality excellence across 3 divisions.

- **Pioneered IoT data collection initiative** for time-sensitive shipments, preventing an estimated $100K in losses through predictive alerts and proactive intervention
- **Deployed enterprise BI solutions** serving 400+ stakeholders with real-time KPI dashboards integrating data from ERP (SAP) and quality systems, improving decision-making speed and accuracy throughout the organization

Logistics Group Leader, BOSCH

JUNE 2023 — OCTOBER 2024

Managed engineering team of 8 professionals focused on digital transformation of logistics and supply chain processes in automotive manufacturing environment.

- **Achieved 95% On-Time Delivery (OTD) Rate**, exceeding industry benchmark, through data-driven logistics optimization
- **Built interactive Tableau dashboards** tracking 15 critical supply chain KPIs, enabling proactive issue resolution and reducing expedited shipping costs by $200K annually
- **Reduced stockouts by 20%** implementing machine learning models for demand forecasting and dynamic safety stock optimization across 500+ SKUs

Senior Engineer, Supervisor, BOSCH

DECEMBER 2019 — JUNE 2023

Managed a team of 5 professionals responsible for manufacturing engineering and MES applications within the high-pressure direct injection (HDEV6) department

- **Directed 2022 North American Jishuken Cycle** leading focused improvement projects that delivered $500K+ in savings through productivity and cycle time optimization
- **Deployed AI-powered defect detection system** improving First Pass Yield by 10% and avoiding $110K annual scrap costs through real-time quality analytics

- **Generated $1.2M+ annual savings** through systematic process automation, predictive maintenance implementation, and data-driven efficiency improvements across 2 production lines
- **Increased OEE from 68% to 82%** implementing real-time production monitoring and predictive analytics
- **Managed $30M capital project portfolio** including installation of automated high-speed assembly lines with integrated data collection capabilities

Manufacturing Engineer, BOSCH
AUGUST 2015 — DECEMBER 2019

Drove operational efficiency and process development in high-pressure direct injection departments through data analysis and continuous improvement methodologies.

- **Led product launch initiatives** managing cross-functional teams of 15+ members, ensuring on-time delivery of new product variants
- **Completed international assignment in Germany** developing process expertise, then successfully transferred knowledge to facilitate ramp up of new value stream
- **Reduced test failure rates by 20%** across international production network through standardized maintenance programs and statistical process control implementation

Lean Engineer, Sherwood Valve
OCTOBER 2013 — AUGUST 2015

- **Managed 2 departments with 10 direct reports**, improving on-time delivery from 78% to 94% through visual management and daily accountability systems
- **Reduced throughput time 64%** (from 7 to 2.5 days) leading kaizen team implementation of cellular manufacturing and consumption-controlled (pull) systems
- **Decreased defects by 25%** through statistical analysis of quality data and targeted process improvements

Industrial Engineer, Brownsville Marine Products
AUGUST 2012 — OCTOBER 2013

- **Directed comprehensive improvement initiatives** across the plant, such as implementing a 5S program and refining the plate coating process, which significantly boosted production quality and operational efficiency

EDUCATION

Associate of Applied Science, Computer Programming, Trident Technical College
- Certificate in Applied Science, Database Administration
- Certificate in Applied Science, Internet Programming
- Certificate in Applied Science, Microcomputer Programming

Master of Business Administration, West Virginia University

Bachelor of Science, Industrial and Management Systems Engineering, West Virginia University

CERTIFICATIONS

Data Engineering Bootcamp, DataExpert.io ● Databricks Fundamentals, Databricks ● Certified Data Analyst, Tableau ● Tableau Desktop Specialist, Tableau ● Certified Associate in Project Management (CAPM), PMI

SKILLS

Programming: SQL, Python, R, Java, C#, JavaScript, HTML, PHP

Machine Learning: Scikit-learn, TensorFlow

Data Analytics & Visualization: Tableau, Power BI, Qlik, Looker, dbt, Predictive Analytics, Demand Forecasting, Supply Chain Optimization, Quality Analytics

Databases: Oracle, MySQL, PostgreSQL, MS SQL Server

Process Automation: Automation Anywhere, Catalytic, OutSystems, UiPath

Project Management: Certified Associate in Project Management (CAPM)