

Henry Davenport

BUSINESS INTELLIGENCE | DATA ANALYTICS | OPERATIONAL EXCELLENCE

Profile

Engineering Leader with deep expertise in data analytics and process improvement. Proven history of delivering exceptional business results through technical innovation. Combines advanced analytics capabilities (SQL, Python, Tableau) with engineering leadership experience and industry certifications (Databricks, Tableau). Demonstrated ability to lead diverse engineering teams and drive transformation initiatives. Translates complex technical analysis into clear business value and actionable insights.

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 \$500K in potential quality losses through predictive alerts and proactive intervention
- **Deployed enterprise BI solution** serving 200+ stakeholders with real-time KPI dashboards integrating data from ERP (SAP), WMS, and quality systems, improving decision-making speed by 40%

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 5 kaizen events that delivered \$500K+ in cost reductions through waste elimination 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

Details

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Links

[Linkedin.com/in/Henry-Davenport](https://www.linkedin.com/in/Henry-Davenport)
GittyUpHD.GitHub.io/Resume/

Core Competencies

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

Languages

German

Manufacturing Engineer, BOSCH

AUGUST 2015 – DECEMBER 2019

Drove operational efficiency 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 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

Certificates: Database Administrator, Internet Programming, Microcomputer Programming
Trident Technical College

Master of Business Administration

West Virginia University

Bachelor of Science, Industrial and Management Systems Engineering

West Virginia University

Certifications

Data Engineering Bootcamp, DataExpert.io
(in process)

Databricks Fundamentals, Databricks

Certified Data Analyst, Tableau

Tableau Desktop Specialist, Tableau

Certified Associate in Project Management (CAPM), Project Management Institute

Skills

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

Databases: Oracle, MySQL, PostgreSQL, MS SQL Server

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

Machine Learning: Scikit-learn, TensorFlow

Process Automation: Automation Anywhere, Catalytic, OutSystems, UiPath

Project Management: Certified Associate in Project Management (CAPM)