Simon Hochmuth

M.S. Data Analytics | Relocating to New York City

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EXPERIENCE

LMI Washington, DC

Lead Consultant | Financial Strategy, Data Science, and Advanced Analytics Mar 2023 – Present

- Client-facing on the CFO analytics team, developing Python and C# data pipelines, SQL procedures, .NET applications, and Tableau dashboards to modernize reporting infrastructure and deliver real-time, C-suite insights for strategic decision-making.
- Implemented forecasting models and predictive analytics using Python and SQL to uncover workforce trends, optimize hiring strategies, track KPIs, and align resource allocation with long-term strategic goals across a multibillion-dollar enterprise portfolio.
- Conducted feature analysis, validation checks, and transformation optimization across complex data pipelines—enhancing data integrity and increasing confidence in cross-functional reporting.
- Delivered interactive scenario-planning tools that enabled CFO leadership to simulate budget outcomes, detect early risk signals, and plan proactively in response to shifting priorities.
- Performed hypothesis testing and simulation analysis to quantify the downstream impact of organizational and product decisions, supporting long-term planning and operational agility.

Booz Allen Hamilton The Pentagon, VA

Associate Consultant | Logistics, Data Science, & Analytics July 2021 – Mar 2023

- Served as lead analyst on an incident response analytics team supporting C-Suite Department of Defense leadership, building real-time dashboards to deliver a unified operational picture across global stakeholders.
- Delivered AWS, Python, Spark, and SQL based analytics tools to surface actionable insights from high-volume logistics data, while supporting performance tracking, incident response, and on-call data triage during outages to ensure analytics continuity and stakeholder visibility.
- Implemented and maintained ETL pipelines in a Databricks environment for logistics, workforce, and supply chain data—powering advanced analytics, forecasting, and experimentation to support mission-critical decision-making.
- Forward-deployed collaborating with military customers to gather requirements, implementing data models, and optimize data structures for advanced analytics and dashboarding, aiming to strengthen data governance for the DoD.

CACI International Bethesda, MD

Consultant | Data Engineering & Analytics July 2020 - July 2021

- Engineered software integration solutions and conducted statistical modeling, hypothesis testing, and predictive analytics on structured datasets using Python and SQL to support product experimentation and predictive maintenance analytics.
- Designed dashboards and performed operational analysis using Python, SQL, Grafana, and MATLAB for KPI tracking and predictive maintenance. Automated reporting and built data models to surface performance trends and anomalies for leadership visibility.

AgustaWestland Philadelphia, PA

Flight Control Software Engineer June 2018 - July 2020

- Engineered helicopter flight control system requirements and led development and testing of embedded software for avionics, ensuring system reliability and integration with safety-critical components.
- Analyzed and simulated time-series sensor data to validate flight performance, detect anomalies, and support data-driven testing—enhancing flight safety and control precision across multiple aircraft development cycles.

Lockheed Martin- Sikorsky Shelton, Connecticut

Aerospace Engineer Aug 2016 - Aug 2017

- Supported requirements management for electronic and software systems on the Royal Canadian Air Force CH148 helicopter program, addressing financial, technical, and schedule risks across functional teams for mission-critical systems.

EDUCATION

University of Maryland Global Campus – Masters of Science - *Data Analytics* 2024

- **Relevant Coursework:** Decision Management Systems, Data Visualization, ML & Predictive Modeling, Big Data Analytics
- **Machine Learning:** Regression, KNNs, NLP, Random Forests, SVMs, Chat Bot, NNets, Deep Learning, Gradient Boost

University of Maryland, College Park - Bachelor of Science – *Aerospace Engineering* 2018

LANGUAGES AND TOOLS

Python, R, SQL, NoSQL, Qlik, Tableau, Pandas, NumPy, Scikit-Learn, TensorFlow, Keras, PyTorch, Decision Tree, SARIMA, Clustering, Spark, PySpark, Plotly, Git, Grafana, Linux, Databricks, MongoDB, Hadoop, MATLAB, Data Visualization, BASH, C#