Simon Hochmuth

Consultant | Data Science & Analytics

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PROFESSIONAL SUMMARY

Data analytics consultant with 5+ years of experience building predictive models, automated pipelines, and dashboards to support financial planning and operational strategy. Skilled in Python, SQL, and delivering insights for executive decision-making.

EXPERIENCE

LMI   Washington, DC
Senior Consultant | Financial Strategy & Data Science | DOD   Mar 2023 – Present

- Designed scenario modeling tools and dashboards for the CFO team's five-year budget planning—enabling executive visibility into financial and workforce impacts across a multi-billion-dollar enterprise portfolio.

- Redesigned a legacy .NET app by building a Python automation pipeline that unified SQL data, Excel sheets, and 100+ contract PDFs—automating email and report generation for 150+ stakeholders and reducing manual weekly coordination time.

- Analyzed 200+ ad hoc data requests to uncover recurring themes; built a scalable SQL/Python pipeline with a Streamlit app to automate responses—eliminating 30%+ of repeat questions and reducing manual workload across the analytics team.

- Built a scalable analytics pipeline for a 1,000+ person workforce, enabling dynamic filtering, population-adjusted growth metrics, and forecasting models that incorporated institutional timelines (e.g., raise dates, hire cycles)—giving leadership clear insight into subgroup trends and expected organizational shifts.

- Conducted feature analysis and implemented validation techniques to improve data quality, ensuring reporting accuracy and consistency across critical financial pipelines critical for congressional reporting and watchdog audits.

Booz Allen Hamilton   The Pentagon, VA
Associate Consultant | Logistics, Data Science, & Analytics   July 2021 – Mar 2023

- Engineered supply chain risk models to forecast inventory readiness using operational growth and depletion metrics—enabling leadership to flag critical shortages before threshold breaches and escalate issues directly to commanding generals.

- Designed and deployed scalable ETL pipelines for millions of logistics records, enabling time-series analysis that improved strategic planning, incident response, and operational visibility. Delivered high-integrity solutions using AWS, Databricks, Spark, and Python.

- Advised senior DoD leadership on real-time analytics solutions to improve operational response and visibility, supporting cross-functional initiatives in data governance, supply chain, logistics, and force readiness.

CACI International   Bethesda, MD
Consultant | Data Science & Analytics   July 2020 - July 2021

- Delivered software integration and advanced analytics solutions for the Department of the Navy, enabling the organization and analysis of large-scale vehicle maintenance data to support operational readiness and decision-making.

- Developed dashboards and exploratory case studies using Python, Tableau, Grafana, SQL, and MongoDB to help clients interpret complex datasets, uncover insights, and identify opportunities for predictive analytics and automation.

AgustaWestland   Philadelphia, PA
Flight Control Software Engineer   June 2018 - July 2020

- Engineered flight control system requirements, led test planning, and analyzed time-series aircraft data to validate safety, assess performance, and evaluate software changes through data-driven simulations during 4+ helicopter production cycles.

EDUCATION

University of Maryland, Global Campus – *M.S. Data Science*   May 2024

- **Relevant Coursework**: Decision Systems, Data Visualization, Machine Learning, Predictive Modeling, Big Data Analytics

University of Maryland, College Park – *B.S. – Aerospace Engineering*   May 2018

CONSULTING & TECHNICAL SKILLS

Stakeholder Engagement, Strategy Development, Project Scoping, Executive Presentations, Agile Delivery, Python, R, SQL, Tableau, Power BI, Qlik, PySpark, Databricks, Forecasting, Machine Learning, Data Visualization, C#, Git, Plotly, Time Series Forecasting, K-Means, Decision Tree, SARIMA, Random Forest, Keras, Tensorflow, NoSQL, KNN, Regression, Deep Learning