

Simon Hochmuth

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LMI – Data Scientist / Full Stack Engineer | DIA

Mar 2023 – Present

- Senior member of the workforce analytics team, managing ETL pipelines, SQL servers, .NET applications, Tableau dashboards, modeling and analytics in support the CFO office.
- Led web development efforts, ensuring smooth integration of data pipelines with front-end applications to enhance data accessibility and user experience.
- Developed and implemented automated reporting solutions, providing senior leadership with precise, timely insights for strategic decision-making and legislative reporting.
- Partnered with stakeholders to define business requirements, translating them into scalable and efficient technical solutions.

Booz Allen Hamilton – Data Scientist | The Pentagon, VA

July 2021 – Mar 2023

- Lead developer consulting DOD senior leadership on the IRCOP team dedicated to digesting complex requirements and churning out workable tools on accelerated agile sprints.
- Managed applications through the full development lifecycle from concept to visualizing data using Qlik. Application involved using a Databricks environment, querying with SQL and manipulating data with Spark or Python.
- Embedded in TS SCIF environment working with uniformed servicemembers to learn processes, gather requirements, and create new use cases for applications.
- Managed daily quality assurance and quality control checks to ensure the team met customer requirements.

CACI International – Data Scientist | Bethesda, MD

July 2020 - July 2021

- Supported software integration and data analysis for the Department of the Navy on a project tasked with organizing and analyzing big data related to vehicle maintenance of military vehicles.
- Created dashboards and performed case studies on data using Python, SQL, MongoDB, Grafana and Matlab.
- Executed VBS, Python, and Matlab scripts to conduct predictive analysis and provide daily reports on ship data.

AgustaWestland – Flight Control Software Engineer | Philadelphia, PA

June 2018 - July 2020

- Managed certification activities for the flight control software of the AW609, Fly-by-Wire Tilt Rotor helicopter program.
- Simulated and Modeled aircraft dynamics to review changes made to the decision logic within the flight control computer.
- Provided live time series telemetry data analysis for the flight control team during certification flight test activities.
- Conducted daily troubleshooting support through analysis of aircraft sensor, power, hydraulic, and computer systems.
- Executed requirements-based test scripts in the lab for verification of engineering changes and system requirements.
- Performed signal analysis on the Linux based Systems Integration Lab (SIL) Simulation Workbench for the AW609.

Lockheed Martin- Sikorsky – Systems Engineer | Shelton, Connecticut

Aug 2016 - Aug 2017

- Supported electronic and software system requirement management for the Royal Canadian Air Force CH148, an Anti-Surface Warfare, Fly-by-Wire helicopter program.
- Executed flight simulator testing evolutions, from start-up through flight, landing, and data collection
- Managed program financial, technical, and schedule risks from introduction through closure.

EDUCATION

University of Maryland Global Campus

Graduated Aug 2024

Master of Science – *Data Science*

University of Maryland, College Park

Graduated May 2018

Bachelor of Science – *Aerospace Engineering*

LANGUAGES AND TOOLS

Python, SQL, Databricks, QlikSense, MATLAB, Tableau, PowerBI, Pandas, NumPy, Scikit-Learn, Tensorflow, Keras, Seaborn, Spark, MongoDB, Plotly, Github, BASH, Grafana, TensorFlow, IBM Cognos, Linux, C#, C++, JavaScript