☎ +49 152 0316 9843

✉ c.w.hallman6@gmail.com

📍 Cologne, Germany

Clay Hallman

AUTOMOTIVE ENGINEER | DATA ANALYST

🌐 Resume Website

🌐 LinkedIn Profile

PROFILE

I am an innovative, self-motivated team player that thrives in challenging, fast-paced environments. I have gained professional experience working in multiple countries with a diverse range of cultures. My objective is to create an impact and establish long-lasting connections in an industry that aligns with my passions.

PROFESSIONAL EXPERIENCE

TUfast Moto Electric Race Team

Team Member • October 2024 - Present

- *Run FEM analyses on various carbon fiber motorcycle components using Altair Hypermesh*
- *Perform topology optimization on aluminum parts for weight optimization*
- *Manufacturing of structural and aerodynamic carbon fiber parts*

Travian Games GmbH

Data Analyst • 2023 - Present

- *Create insightful reports based on data driven analyses in response to game director tickets*
- *Implement ML based forecasts for budget and server planning*
- *Perform cluster analysis to provide insights on player demographics*

Bayer AG

Digital Strategy Intern • Nov 2022 – Feb 2023

- *Support migration of data to PS Planview from unstructured data source to a structured data source*
- *Development of company wide website based on SharePoint technology for Digital IT Strategy and Roadmap Planning at Pharma Product Supply*

Mechanical Engineering Intern • May 2018 – Sep 2018

- *Successfully designed innovative CAD parts in SolidWorks to be machined as prototypes for new technology*
- *Field-tested new technologies and recorded data to be analyzed*

Missouri S&T Formula Electric Race Team

Mechanical Engineer • 2017 - 2020

- *Utilized SolidWorks to create cost-effective, aerodynamic housing units for circuit boards*
- *Contributed to manufacturing of rear wing and A-bars*
- *Performed finite element analysis (FEA) on specific connection points of transaxle*
- *Tested Ansys for CFD analysis of racecar*

EDUCATION

M.Sc Automotive Engineering
TU München • 2024–2026

M.Sc Business & Data Analytics
Handelshøyskolen BI • 2020–2022

B.Sc Mechanical Engineering
Missouri University of Science & Technology • 2016–2020

CERTIFICATIONS

Fundamentals of Engineering
NCEES • 2020

Reinforcement Learning with AWS Deep Racer
AWS • 2022

SKILLS

- Machine Learning
- Python / R / SQL for Data Analysis
- English / German
- AWS and Azure Cloud Computing
- Matlab / Simulink
- Vehicle Communication Networks
- CAD
- LabView / Instrumentation
- FEM Analysis