Henry Stoll

Data Scientist and AI Engineer with a focus on creating ML architectures in impactful real-world settings.

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Recent Work Experience

Data Scientist (UNHCR)

Developed and deployed scalable media classifiers (Llama2, Mistral, BERT) for social media hate speech detection, classifying 20k posts/minute using AWS with focus on explainable AI and data visualization. Utilized AWS Bedrock, SageMaker to implement a serverless data pipeline including fanout pattern, RDS with Aurora, and DynamoDB for robust data handling and managed using IaC. Prototyped chatbots and internal tools using commercial LLMs like GPT4, Vertex and AWS Bedrock. Collaborated with internal and external business, legal and technical stakeholders.

Copenhagen, Denmark • 05/2023 - 03/2024

Technical Advisor (rapidcreative.io)

Built and validated a chatbot for turning text into short videos using GPT4, RAG, langchain and React for a growth startup.

Copenhagen, Denmark • 01/2023 - 05/2023

Technical Lead (UNICEF)

Technical Lead for a project enhancing supply chain visibility across 9,000 global NGO partners, piloted in 10+ countries including field mission to Lebanon. Designed the solution architecture and developed the backend using Node.js on Azure and PySpark for data pipelines. Led a team of three devlopers and coordinated with over 100 stakeholders.

Copenhagen, Denmark • 07/2021 - 01/2023

Software Engineer Intern (NEON.DEV)

Frontend and app development for bootstrapping the *Doguniversity* app (>300k users) and *okourse* video platform.

Berlin, Germany • 01/2020 - 04/2020

Corporate Student (SAP SE)

Web Development, IT Consulting, Cloud Software, Prototyping, Use Case Development for IoT, VR, AI in multiple Industries including Automotive, Manufacturing, Finance and Insurance.

Walldorf, Germany • 09/2016 - 09/2019

Recent Voluntary Experience

Student Assistant to Supervisory Board Member (SAP SE)

Preparing the adward-winning *Initiative Digitale Transformation* seminar at the Technical University Munich (TUM).

Munich, Germany • 09/2018 - 09/2019

Education

MSc Data Science and Business Administration

Copenhagen Business School (CBS) - top 5%

Frederiksberg, Denmark • 2020 - 2022

BSc Business Informatics with SAP

Duale Hochschule Baden-Württemberg (DHBW)

Mannheim, Germany • 2016 - 2019

Skills

Development

Python, MLOps, pyspark, Explainable AI, SQL, Node.js, Vue, React, Svelte, Flutter, R, CI/CD, Docker, IaC, Kotlin, Postgres, NoSQL DB, Vector DB, AWS, GCP, Azure

Tools

Tableau
Figma

Methodologies

Executive Presentations
Design Thinking
User Experience
Project Management

Languages

English (fluent)
German (native)
Danish (learning)