

Nicolai Søderberg

Physicist/Programmer

A Physics specialist from Niels Bohr Institute, I've built advanced chatbots using Langchain, LlamaIndex and vector databases. With experience at Mobtimizers and Intrum, I blend academic insights with hands-on expertise. My knowledge ranges from broad AI concepts to deep learning intricacies, backed by proficiency in Python. I'm poised to address complex AI and chatbot challenges.



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🐙 github.com/nicolai5965

EDUCATION

Specialisation: Quantum Physics

Copenhagen University Science (Niels Bohr Institute)

09/2019 - 08/2022

Copenhagen

Relevant Courses

- Bachelor thesis: Analysing the use of Graph Neural Networks for particle track reconstruction
- Modeling and Analysis of Data
- Computer science for physicists
- Mathematics for physicists 1, 2 and 3
- Linear algebra in science and Statistical physics
- Numerical Methods in Physics

Higher Technical Exam

Slotshaven Gymnasium

09/2015 - 06/2018

Holbæk

WORK EXPERIENCE

System Integration Specialist

Intrum

01/2023 - Present

Valby, Denmark

Achievements/Tasks

- Collaborate with clients for successful onboarding.
- Develop integration solutions for efficient workflows.
- Provide technical guidance and support for a positive experience.
- Use SQL/MSSQL for data analysis and C# for communication.

Data consultant

Mobtimizers

08/2022 - 01/2023

Mobtimizers. Consultant agency focused on digital strategy, mobile optimization and data insights. Global clientele.

Achievements/Tasks

- Data collection/extraction with API calls and manually.
- Cleaning data before stored.
- Made a automated data storage system to always have a clean and updated data storage.
- Data analyzation and visualization.

SKILLS

Python

SQL/SSMS

Langchain

LlamaIndex

Vector Database | RAG

Google Cloud Tools

GDPR

Data pipeline

Web scraping

API

Web App / Streamlit

Data Processing/Visualization

Advanced statistics

Data analysis

TensorFlow

Transformers / LLMs

Sklearn/Scikit

Pandas

Scipy

Neural Network Architectures

Machine Learning Algorithms

PERSONAL PROJECTS

TrackML Particle Tracking Challenge (Kaggle) (2022)

- Bachelor thesis

Seq2Seq Transformer model

And more on my Github...

CERTIFICATES

The Data Science Course 2023: Complete Data Science Bootcamp

Udemy Course

Retrieval Augmented Generation for Production with LangChain & LlamaIndex

ActiveLoop

LANGUAGES

Main: Danish

Full Professional Proficiency

English fluent

Full Professional Proficiency

INTERESTS

AI/Machine learning/Deep learning

LLM research

Data engineering/science

Physics

GYM training