Nicolai Søderberg

Physicist/Progammer

A Physics specialist from Niels Bohr Institute, I've built advanced chatbots using Langchain 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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📍 Holbæk, Danmark

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nicolai-resume-website.streamlit.app/

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
- Computer science for physicists
- Linear algebra in science and Statistical physics
- Modeling and Analysis of Data
- Mathematics for physicists 1, 2 and 3
- 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.
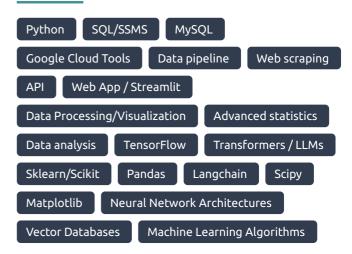
Data consultant
Mobtimizers

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 storaged.
- Made a automated data storaged system to allways have a clean and updated data storage.
- Data analyzation and visualization.

SKILLS

Python | SQL/SSMS | MySQL

Google Cloud Tools | Data pipeline | Web scraping

API | Web App / Streamlit

Data Processing/Visualization | Advanced statistics

Data analysis | TensorFlow | Transformers / LLMs

Sklearn/Scikit | Pandas | Langchain | Scipy

Matplotlib | Neural Network Architectures

Vector Databases | 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

LANGUAGES

Main: Danish
Full Professional Proficiency

English fluent
Full Professional Proficiency

INTERESTS

AI/Machine learning/Deep learning

Data engineering | Data analysis/science | Physics

GYM training