



Berkay Orhan

🌐 Nationality: Swedish
🏠 2002
📍 Norrköping, Sweden

🎓 Program: M.Sc Data Technology and Engineering

🗣️ Languages: *Swedish* Native, *Turkish* Native, *English* Advanced.

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PROJECTS

AniMatch - Recommender System

Machine Learning Project · Linköping University

Created and deployed a personalized anime recommendation system using BERT embeddings. Features included interactive genre filtering, detailed anime pages, and tailored recommendations to enhance user experience.

RSA Messenger

Networking and Security Project · Linköping University

Created a secure real-time messaging application with end-to-end RSA encryption. Features included real-time communication, user authentication, offline message storage, and a responsive web interface.

MyDocs

Web Development Project · Linköping University

Developed a collaborative document editing platform inspired by Google Docs. Features included real-time editing, user authentication, a friend system, profile customization, and live presence indicators.

Interactive Solar System Simulation

Modeling Project · Linköping University

Created an interactive solar system simulation using Euler's approximation, with keyframe animations and a custom Blender UI. Enabled users to design and visualize their own planetary systems while simulating realistic orbits.

albyradet.se

Non-profit website · Personal

Designed and developed a fully functional website for a non-profit organization, improving user engagement.

medieteknik.nu

Official website for Medieteknik LIU · Linköping University

Collaborated with a team to create and maintain the official program website for Medieteknik program in Linköping University.

TECHNICAL SKILLS

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|----------------------------|---|
| Prog. Languages: | Python, C++, JavaScript, TypeScript |
| Machine Learning: | Deep Learning, Neural Networks, Data Mining, BERT, Hugging Face, TensorFlow, Keras, Scikit-learn, Statistical Modeling. |
| Data Structures: | Graph algorithms, complexity analysis, dynamic programming, tree traversal, sorting and searching techniques. |
| Web Development: | React, Node.js, Next.js, Tailwind CSS, REST APIs |
| Databases: | MongoDB Atlas, Firebase, Supabase |
| Cloud Platforms: | Vercel, Firebase, Supabase |
| Signal Processing: | Fourier analysis, transform theory |
| Control Systems: | Automatic control, simulations (e.g. MATLAB/Simulink) |
| Data Visualization: | Matplotlib, Seaborn, D3.js |

EXPERIENCE

Summer 2023 2024

Part-time Employee

LIDL · Stockholm

Performed various tasks including stocking shelves, assisting customers, operating the cash register, and maintaining cleanliness in the store.

DEGREES

2021–2026 (Ongoing)

Master of Science in Data Technology & Engineering

Linköping University

Specializing in Machine Learning and Web Development during the master's phase.

2019–2021

Naturvetenskapsprogrammet

Huddinge Gymnasium

2018–2019

Naturvetenskapsprogrammet

Tumba Gymnasium