Lukas Gardberg

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GitHub   in LinkedIn

EDUCATION

Lund University – M.Sc. Engineering Mathematics, Machine Intelligence   Sep 2017 - Present

- Five year engineering program in applied & pure mathematics with a focus on Programming, Statistics, and ML
- Courses: Mathematical Modelling, Databases, Data Structures & Algorithms, Time-series Analysis, Object Oriented Prog.

Hanyang University – Computer Science (Exchange, South Korea)   Sep 2020 - Jun 2021

- Courses: Applied Machine Learning, Reinforcement Learning, Deep Learning, Applied Statistics, Korean

SKILLS

Languages	Python, SQL, Java, Matlab
Technologies	FastAPI, Flask, dbt, Git, Unix, Docker, Qlik Sense, Pandas, NumPy, matplotlib, seaborn, statsmodels
ML	PyTorch, sklearn, TensorFlow, Keras, Weights & Biases

EXPERIENCE

ML Engineer
Sinch – A global tele- and cloud communications company   Sep 2022 – Present

- Thesis project in implementing state-of-the-art real-time text-to-speech models for production using Python, Docker, & Git
- Performed EDA, pre-processing, and model development on text data in Sinch's Kaggle competition, placed **top 3**

Data Engineer   Jun 2022 – Aug 2022
Qlik – A software company providing business intelligence and data integration solutions

- Created a Snowflake monitoring dashboard using Qlik Sense now used by management. Resulted in a **10%+** reduction in cost
- Corresponded with several stakeholders to create data models using dbt, SQL, and Python for consumption by internal analytics
- Gained experience with CI/CD, ETL Pipelines, and Agile development, was offered continued employment

Research & Teaching Assistant   Sep 2018 - Jun 2019
Lund University

- Selected as one of the top performing students to hold lectures & seminars for 20+ students on mathematical problem solving
- Collaborated with research scientists on developing features for time-series data using Matlab and Git

PROJECTS

TorchEnsemble	Contributor to an open source library for training ML models in PyTorch with 600+ GitHub stars
GAN Webapp	Containerized a ML model using Docker and deployed it in a webapp using Flask
Water Flow Forecasting	Collaborated to develop statistical models to forecast water flow in hydroplants using SMHI data

MISCELLANEOUS

Courses	dbt Fundamentals	JUN 2022
	Introduction to Databricks	JUN 2022

Passionate about **music production** and **sound design** (7+ years)

EXTRACURRICULAR

AI Lund / Stockholm AI	Member	
Lundakarnevalen	Stage Manager	SPRING 2023
Västgöta Nation	Bar Manager	2018 - 2021