



DENNIS ALP

Data Scientist, Physics PhD

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SKILLS

Python
SQL
Bash
Git
Machine learning
AI
Pandas
NumPy
Data visualization
Matplotlib
scikit-learn
TensorFlow



Analytical thinking
Problem solving
Statistical modeling
Research
Simulations
Computational physics
X-ray physics



Technical communication
Project management
Collaboration
Supervision
Teaching

Awarded seven scholarships for research projects, academic travel, and a high GPA. Winner of Teknik-SM 2015 and a national high school competition in 2011. Previously involved in several year-long STEM projects aimed at younger students.



ABOUT

- Broad interest in analytics, tech, and finance. Hobbies: written many scrapers, tested ML technologies, explored app building, deployed containers on Azure, (marginally) profitable algorithmic day trading, and avidly consuming finance news.
- Love working with people (and numbers). Worked every day from the office at Handelsbanken and supervised 16 students in academia.
- Fast-paced, goal-focused high-achiever who maintains a holistic perspective.
- Confident in stakeholder communication and networking.
- Started scripting and working from CLI environments in 2011.



EXPERIENCE

Data Scientist Handelsbanken, Nov 2021 – Nov 2023

Worked on pricing, marketing optimization, segmentation, and churn projects
Involved in all steps of the data and analytics process
Quickly growing a network of key connections and stakeholders
A holistic perspective of business processes and business value
Actively onboarding new team members and senior business analysts

PhD Candidate KTH, Oct 2016 – June 2021

Delivered insights and conclusions from diverse and unstructured data
Imaging and time series analysis
Data visualization (Python/matplotlib)
Everyday Bash/command-line environment experience
Statistics (parameter estimation, model comparison, hypothesis testing)
Advanced analytics (big data, random forests, DNN/LSTM)



EDUCATION KTH Royal Institute of Technology

2011	2014	2016	2021
Bachelor of Science Engineering Physics GPA: 4.75/5	Master of Science Theoretical Physics GPA: 4.75/5	Doctor of Philosophy X-Ray Astrophysics	