



# 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



## ABOUT

- Motivated by the diverse range of challenges posed by transforming data into business value using machine learning
- Self-driven and constantly aware of the 30,000-foot view of every project
- Adapt to the circumstances and always go above and beyond to deliver the best possible results
- Confident in stakeholder communication, as well as strong technical skills (Python, SQL, Git, Bash, AI/ML, statistics)



## EXPERIENCE

### Data Scientist

Handelsbanken, Nov 2021 -

Leading the development of a next-best-offer model  
Developing an end-to-end data-driven process  
Quickly growing a network of key connections and stakeholders  
A holistic perspective of business processes and business value  
Actively onboarding new team members

### Data Scientist in Academia

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)

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 toward younger students.



## EDUCATION KTH Royal Institute of Technology

2011

Bachelor of Science  
Engineering Physics  
GPA: 4.75/5

2014

Master of Science  
Theoretical Physics  
GPA: 4.75/5

2016

Doctor of Philosophy  
X-Ray Astrophysics

2021