

KEVIN FERNEDING

Bremen, Germany · kevinferneding.xyz ·  · 

MSc graduate in CS with a strong foundation in multi-agent systems, dynamic epistemic logic and neuro-symbolic AI. Experienced in interdisciplinary research and dedicated to applying formal methods to social choice.

EDUCATION

Technical University of Denmark

August 2026

M.Sc. in Computer Science and Engineering (Track: Artificial Intelligence and Algorithms)

- Final Grade: 10.8 on the Danish 7-point scale (12 = best)
- Key Focus: Multi-Agent Systems, Epistemic Logic, Neuro-Symbolic AI, Deep Learning
- Thesis: *A Hybrid Approach to Automated Test Case Generation using Formal Methods and LLMs*

City University of Applied Science Bremen

January 2024

B.Eng. in Automation

- Final Grade: 1.5 on the German scale (1.0 = best)
- Key Focus: Dynamic Systems & Control Theory, Signal Processing, Simulation & Robotics
- Thesis: *Design and Implementation of a Software Abstraction Layer to connect a Robotic System Controller to the NASA Core Flight System*

PUBLICATIONS

TempTPI: Informer-Based trajectory prediction for maritime vessels

Proc. IEEE IGARSS 2026

K. Ferneding, V. Lietavcova, A. M. Blachowiak, P. Heiselberg

(In Press. [\[Link to PDF\]](#))

- Developed a deep learning framework for accurate long-term maritime vessel trajectory prediction based on AIS data, leveraging spatio-temporal data processing and advanced temporal encoding to improve situational awareness and forecasting efficiency.
- Selected for oral presentation in person at the IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2026) in Washington, D.C., USA.

CAREER

Airbus Defence and Space GmbH

January 2024 – Present

System Integration Verification Engineer

Bremen

- Engineer hardware software integration for the A400M cargo system, specializing in test development automation and tool qualification.

Airbus Operations GmbH

September 2020 – January 2024

Dual Student

Bremen

- Rotational engineering internships across aircraft & space divisions, focusing on industrial engineering, robotics, system engineering and software development.

TECHNICAL STRENGTHS

Programming Languages: Python, C/C++, Julia, Java

AI & Modelling: Multi-Agent Systems, Neuro-Symbolic AI, Deep Learning

Formal Logic & Verification: Epistemic Logic, Model Checking