

# Derck Prinzhorn

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## Education

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**University of Amsterdam** Sep 2023 – present  
*MSc Artificial Intelligence* Amsterdam, Netherlands  
Thesis (in progress): AI Control, supervised by Maksym Andriushchenko (MPI-IS / ELLIS Tübingen)

**University of Amsterdam** Sep 2020 – Jun 2023  
*BSc Artificial Intelligence* Amsterdam, Netherlands  
Thesis: "Benchmarking Conformal Prediction Methods for Time Series Regression" (AmsterdamAI Thesis Award)

## Work

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**Prinzhorn Solutions, Founder, AI Consulting** Apr 2025 – present  
Supporting organizations in building scalable, effective, and secure AI systems.

**Wisr, Co-Founder** Sep 2024 – Oct 2025  
EdTech startup automating grading and feedback for teachers.

**Dutch Police, AI Architect** Apr 2023 – Apr 2025  
Defined reference architectures for AI, MLOps, and AI security.

**University of Amsterdam, Teaching Assistant** Sep 2022 – Sep 2023  
Machine Learning, Reinforcement Learning, Bayesian Statistics, Data Structures & Algorithms.

**LeerLevels, Software Engineer** Oct 2021 – Jan 2023  
Developed grading algorithms, search engines, and recommendation systems.

## Research Experience

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**Max Planck Institute for Intelligent Systems & ELLIS Institute Tübingen, Research Intern** Jan 2026 – present  
AI control research with Maksym Andriushchenko

**Aithos Research Lab, Research Engineer** Apr 2025 – Jan 2026  
Research on pluralistic alignment and moral competence.

**University of Amsterdam, Research Intern** Jan 2024 – Feb 2025  
Conformal prediction for time series; 3D diffusion models for radiotherapy dose prediction; physics benchmarking in video generation models.

**Supervised Program for Alignment Research (SPAR), Research Intern** Jul 2024 – Oct 2024  
AI control and safety research with Aryan Bhatt (Redwood Research); studied monitor improvement methods.

## Publications

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C. Zhang, D. Cherniavskii, A. Tragoudaras, A. Vozikis, T. Nijdam, **D. Prinzhorn**, et al. Morpheus: Benchmarking Physical Reasoning of Video Generative Models with Real Physical Experiments. *arXiv preprint arXiv:2504.02918*, 2025. (Under review)

A. Zywot, I. Skylitsis, T. Nijdam, Z. Tzifa-Kratira, **D. Prinzhorn**, K. Szewczyk, et al. Injecting Image Guidance into Text-Conditioned Diffusion Models at Inference. 2025.

T. Nijdam, **D. Prinzhorn**, J. de Heus, T. Brouwer. HIVE: A Hyperbolic Interactive Visualization Explorer for Representation Learning. *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, pp. 655–660, 2025.

**D.W.E. Prinzhorn**, T. Nijdam, P.A. van der Linden, A. Timans. Conformal Time Series Decomposition with Component-wise Exchangeability. *13th Symposium on Conformal and Probabilistic Prediction with Applications (COPA 2024); Proceedings of Machine Learning Research (PMLR)*, 2024.

## Awards

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**AmsterdamAI Thesis Award** – Outstanding bachelor thesis on conformal prediction for time series (2023)

## Volunteering

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Stichting Hoormij   Board Advisor & Quality Council	Jan 2021 – present
Forward Incubator   Startup Mentor	Dec 2024 – May 2025
AI Safety Amsterdam (AISA)   Member	Sep 2023 – May 2025
Dutch Nao Team   ML Engineer & Vice Chair	Sep 2022 – Mar 2024
Programme Committee AI, UvA   Student Member	Sep 2021 – Apr 2023
Stichting Studiezalen   Mentor	Feb 2020 – Oct 2021