

Derck Prinzhorn

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Education

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

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.

Politie Nederland, 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

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 Fellow Jul 2024 – Oct 2024
AI control and safety research with Aryan Bhatt (Redwood Research); studied monitor improvement methods.

Publications

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

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

Volunteering

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
School's cool Amsterdam Mentor	Oct 2020 – Aug 2021