MICHAL KORNIAK

michael.korniak@gmail.com Google Scholar

EDUCATION

ETH Zurich — M.Sc. in Data Science (Machine Learning Focus) 2025 – Present
Department of Computer Science Expected graduation: July 2027
Current GPA: 5.77/6.0

University of Warsaw — B.Sc. in Computer Science, *Summa Cum Laude* 2022 – 2025
Faculty of Mathematics, Informatics, and Mechanics
GPA: 4.85/5.0 (ranked 2nd out of 123)

PUBLICATIONS

(∗: equal contribution)

Michal Korniak∗, Mikołaj Czarnecki∗, Yarden As, Piotr Miłoś, Pieter Abbeel, Michal Nauman
"When Does Non-Uniform Replay Matter in Reinforcement Learning"
NeurIPS 2026 (**Spotlight**, top 5% of accepted papers)

Michal Korniak∗, Marco Bagatella∗, Ralf Römer∗, et al., Max Simchowitz, Andrew Wagenmaker
"Reinforcement Learning Enables Scaling Generalist Robot Policy Improvement"
Under review at ICLR 2027

Michal Korniak∗, Kamil Dybek∗, Benjamin Eysenbach, Marco Bagatella, Michal Bortkiewicz
"Three Steps at a Time: Learning Representations from Action Sequences in Contrastive RL"
NeurIPS 2026 Workshop*: From Pretrained Representations to Acting Agents*
Under review at ICLR 2027

Mikołaj Czarnecki, **Michal Korniak**, Oskar Skibski, Piotr Skowron
"Fair Indivisible Payoffs through Shapley Value"
arXiv preprint, 2025

EXPERIENCE

ETH Zurich May 2026 – September 2026
Research Assistant *PIs: Max Simchowitz and Andrew Wagenmaker*

· Studied multi-task RL post-training methods for Vision-Language-Action (VLA) robot policies.

University of Warsaw, ERC Starting Grant PRO-DEMOCRATIC August 2024 – August 2025
Researcher, "Proportional Algorithms for Democratic Decisions" *PI: Piotr Skowron*

· Designed algorithms for proportional representation and fairness in decision-making.

Microsoft June 2024 – September 2024
Software Engineer Intern

· Built an LLM-based assistant for incident enrichment. Received a return offer.

AWARDS

Rector's Scholarship for Best Students, University of Warsaw 2022, 2023, 2024

Finalist, Polish Mathematical Olympiad 2022

SERVICE

Reviewer, NeurIPS 2026 (Top Reviewer) 2026