

KARLO VRANCIC

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EDUCATION

Harvard University

MS Data Science (on full scholarship), grade: 3.96/4

Cambridge, MA

Sep 2025 - May 2027

- Guest lecturer for STAT293 (grad level Causal Inference)
- Relevant Courses: Deep Learning, AI Safety, Stats for Graphs, AI Digital Marketing (HBS), Systems for Scaling Ventures (HBS)

Massachusetts Institute of Technology (MIT)

Cross-registered student, grade: 4.0/4.0

Cambridge, MA

Sep 2025 - May 2027

- Guest lecturer for MIT 6.S192: Decentralized AI and MAS.665: Agentic Web.

École Polytechnique Fédérale de Lausanne (EPFL)

Exchange MS Computer Science

Lausanne, CH

2024 - 2025

- Ranked **2nd out of 700+ students** in Applied Data Analysis course, project inducted in the Hall of Fame

University of Zagreb

BS Computer Science, grade: top 1%

Zagreb, HR

2021 - 2024

- **Only student in the university history** (70 000+ *currently* active students) to win the highest-honoring Chancellor's Award in three categories in a single year: *individual research, group research, outstanding community contribution*
- Organized and held *the most watched lecture* in the university's history

EXPERIENCE

Hydra Co-founder

2025 – Present

- AI company factory shipping consumer software products; portfolio passed **\$100k in monthly revenue** within the first year.

Massachusetts General Hospital Research Assistant, Woo Lab

2026 - Present

- Building cross-modal generative models (transformers, diffusion) linking vocal tract MRI motion and speech synthesis.
- Reviewer for IEEE Journal of Biomedical and Health Informatics.

Databricks Product Management Intern

Jun 2026 - Aug 2026

- Led 30 customer interviews and authored product requirements for a new orchestration feature.
- Worked directly with a P0 enterprise customer to resolve blockers to a Lakeflow migration.

CERN Engineering Fellow | [Recommendation Letter](#) | [Final Report](#) | [Demo](#)

2025

- Dismantled a **multi-million dollar predatory publishing market** on Zenodo by developing a two-stage ML pipeline that successfully identified **260,000+** fraudulent publications with **93.8% precision**.

Visor Software Engineer | [Recommendation Letter](#)

2024

- Independently designed and developed a real-time faulty product monitoring app which was sold to multiple clients

ORGANIZATIONS & VOLUNTEERING

AISST Technical AI Safety Fellow

Feb 2026 - Present

- Harvard/MIT fellowship in technical AI alignment; full member, research focus on mechanistic interpretability

EESTEC LC Zagreb Board member and PR team coordinator

2023 - 2026

- Scaled the organization 12x (from 25 to 300+ members) and led the core 100-person team.
- Organized Algotrade (largest trading hackathon in the EU), Workshop on Embedded Systems (11 industry partners), and others

AWARD-WINNING PROJECTS

Norm Share Decides Whether a Subspace Ablation Removes the Feature or the Model *Under Review, ICLR 2027*

A one-pass diagnostic for collateral damage from LLM feature ablations.

VIDEO_FORGE [Github](#) | [Deployment](#)

Node-based AI video generation system addressing temporal continuity. Enables granular editing while preserving frame-to-frame coherence. **Best-ranked project at MIT AI Ventures Demo Day 2025**

Spine [Github](#) | [Deployment](#)

Graph-based organizational diagnostics platform that extracts communication networks from corporate email and automates six-figure consulting analyses. **1st place, Hack-Nation Global AI Hackathon (3,000+ participants, OpenAI track).**

Wikispeedia: The Grandmaster's Path [Github](#) | [Project Page](#) | [Poster](#)

Chess-like ecosystem in the Wikispeedia game developed using machine learning, semantic analysis, LLMs, and graph algorithms to create framework for dynamic analysis and ELO scoring. **Inducted in EPFL Projects Hall of Fame.**

SKILLS

Tech: Python (pandas, NumPy, PyTorch), C/C++, Java, SQL, Linux, Git, Docker, Kubernetes, AWS, Claude Code
Hobbies: Basketball (ex youth national team player), [Trivia Writing](#), Graphic Design, Photography