

Taras Kucherenko, PhD

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Professional Summary

Innovative and detail-oriented Machine Learning Engineer with over 6 years of experience in developing AI solutions from research to production. Adept at designing and implementing scalable architectures, with a strong foundation in machine learning and a passion for creating impactful technologies.

Core Competencies

- **Programming Languages:** Python (8+ years), C++
 - **Frameworks & Tools:** PyTorch, TensorFlow, Scikit-learn, Docker
 - **Machine Learning:** deep learning, generative AI (LLMs, RAG, fine-tuning)
 - **Software Engineering:** Test-driven development, system architecture design
 - **Communication:** Author of 20+ papers, experienced mentor & lecturer
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Professional Experience

Machine Learning Research Scientist

Electronic Arts (EA), Stockholm, Sweden: Feb 2022 – Present

- Led the development of AI models, saving 50% of the cost
- Collaborated with cross-functional teams to gather requirements and deliver scalable ML solutions.

Machine Learning Intern

Microsoft Research, Reading, UK: Sep 2021 – Dec 2021

- Prototyped multimodal user-input models on Azure ML, contributing to enhanced user interactions.

Machine Learning Advisor

ZALAB, Stockholm, Sweden: Mar 2019 – Jan 2020

- Advised on implementing ML algorithms to classify food products as vegan or non-vegan in online stores.

Lecturer

Robot_Dreams: 2020 – 2021

- Designed and taught a "Machine Learning from Scratch" course using Python, scikit-learn, and TensorFlow to over 150 engineers.

ML Specialist

Get Sandwich: 2018 – 2019

- Developed a system using machine learning and signal processing to provide automatic feedback on speech quality.
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Education

PhD in Computer Science

KTH Royal Institute of Technology, Sweden: 2021

Research Focus: Deep generative models, human-in-the-loop evaluation.

MSc in Simulation Sciences

RWTH Aachen University, Germany: 2016

BSc in Applied Mathematics

Kyiv Polytechnic Institute, Ukraine: 2014

Selected Achievements

- Co-inventor of patent: [EP4154093A1](#)
 - Toastmasters Competent Communicator certification
 - Frequent invited speaker at ML meetups
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Languages

- English (C2), Swedish (B2), French (B2)
 - Ukrainian (Native), Russian (Native)
 - Spanish (B1), German (B1)
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Professional Interests

- Sustainable energy optimization
- Ethical AI and generative AI safety
- Digital transformation in the food industry