

Nikita Detkov

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I am a tech lead with over 6 years of experience, combining a strong foundation in applied AI R&D with strategic business perspective. I drive the development of cutting-edge solutions aligned with company objectives and resources. My expertise lies in both building innovative AI systems from the ground up and optimizing existing ones, ensuring seamless integration across teams and workflows for maximum efficiency.

WORK EXPERIENCE

OHMYSYNT

Co-Founder and CTO

Jan 2023 – Oct 2024

- Secured \$250k funding from the best CEE seed-stage VC only with the pitch deck and no MVP.
- Built B2B SaaS Gen AI product with the best proprietary Text-to-Image model fine-tuning engine in 6 months, leading the compact engineering team and working closely with other stakeholders.
- Reduced content production costs by 80% for major international Enterprise clients, including PepsiCo, AliExpress, Olmeca, Pernod Ricard, Magalu, CGTN, Uzum and Ludus Game.

Freelance

AI Consultant

Jan 2023 – Present

- Accelerated the lawsuit filing 30x times for one of the largest law firms in Eastern Europe by designing a tailored AI automatization strategy, gathering a suitable team and guiding MVP implementation.
- Facilitated VC funding decisions by providing punctual and comprehensive due diligence reports to the investment committee on AI startup technology, market positioning and intellectual property.

Malivar (Aliona Pole Studio)

CTO

Mar 2021 – Dec 2022

- Increased annual revenue from \$100k to \$1M by developing a web service for digital avatar animation with state-of-the-art Face Swap, Face Reenactment, Appearance Generation and Voice Conversion.

Machine Learning Research Engineer

Mar 2020 – Feb 2021

- Minimized the delivery time of 3D character creation and animation projects 4x times by introducing Face Animation, Lip Sync, Pose Estimation, Blind Face Restoration and Voice Cloning methods.

ITMO University

Machine Learning Researcher on contract

Jan 2022 – Jul 2022

- Published the academic paper with the research on interpreting errors from the ML models (XAI).

Machine Learning Engineer on contract

Jan 2021 – Jul 2021

- Developed segmentation ML model for drones, from manual data labeling to production integration.

SberBank, *Data Scientist*

Jul 2018 – Apr 2020

EDUCATION

500 Global Accelerator Program, Startup Founder in Georgia Batch 5, *\$100k investments* 2023

ITMO University, PhD in Artificial Intelligence (dropout) 2022 – 2024

ITMO University, M.S. in Big Data and Machine Learning, *Summa Cum Laude* 2020 – 2022

Thesis: *Bringing Vision Transformers Closer to Individuals*

Ural Federal University, B.S. in Applied Informatics 2016 – 2020

Thesis: *Influence of the label smoothing of pseudo-labeled data on training Convolutional Neural Networks*

ADDITIONAL INFORMATION

Get acquainted with me: Speech from conference on Text-to-Video Generation and Editing ([link](#))

Skills: System Design, Pitching, Financial Modeling / Machine Learning, Deep Learning, NLP, LLM, Computer Vision, Generative AI / Python, OpenCV, PyTorch, TensorFlow / Hugging Face, LangChain, Replicate, WandB / ONNX, TensorRT, OpenVINO / Scikit-Learn, XGBoost / SQL / Kubernetes, Docker / CI/CD, GitOps, Grafana / Amplitude / AWS, GCP, Azure / C#, Java, TypeScript, SvelteKit