OLEG KHOMENKO

Address: Tbilisi, Georgia LinkedIn: olegkhomenko

Telegram: olegkhomenko E-mail: olegkhomenkoru@gmail.com www.olegkhomenko.me GitHub: https://github.com/olegkhomenko Google Scholar: https://scholar.google.com/citations?user=4zny MKORbAC

SUMMARY

- Founder & CEO: ChaChat (\$\infty\$ \$1M MRR+)
- CEO @ neiro.ai
- Experienced in Computer Vision (Deep Learning), GenAl, ML, and Mobile Apps
- MSc degree in Data Science (Skoltech)
- Can create products from scratch and build tech / non-tech teams to achieve results

EXPERIENCE	
Neiro.ai CEO ● https://neiro.ai Developed Al-powered mobile applications generating over \$1M in monthly revenue and surpassing 500,000 downloads More than 1,500,000,000 views on TikTok content generated with our tech Partnered with Adobe and Canva	Apr. 2022 to Present San Francisco, US / Tbilisi, GE
Neiro.ai Team Lead (Computer Vision) • https://neiro.ai Computer Vision. Deep Neural Networks and GANs Team Management (10 people) Image & Video generation (img2img, vid2vid, img2vid) Detection, Segmentation & Classification Delivering and optimizing NNs for mobile devices (CoreML, TorchScript, Swift) 3D Graphics (GLSL, Meta, ARCore & ARKitl) for mobile devices	Sep. 2020 to Apr. 2022 San Francisco, US / Tbilisi, GE
Samsung Al Center, Moscow Leading Deep Learning Engineer • https://research.samsung.com/aicenter_moscow Multimodal Data Analysis Lab, Deep Neural Networks for Computer Vision and GANs Image & Video generation (img2img, vid2vid, img2vid) Photorealistic Style Transfer Super Resolution Discriminative models. Video classification, segmentation, etc.	Jun. 2018 to Aug. 2020 Moscow, Russia
General Electric Co Digital Technology Leadership Program / Solution Architect • https://www.ge.com • Web services for Predix cloud platform by GE Digital (see Cloud Foundry, Open Source) • Machine Learning / Data Analytics microservices & Software Development • Project Management Execution & Architecture Strategy for microservices	Jun. 2017 to June 2018 Moscow, Russia
 LLC "DATADVANCE" Research Intern • https://www.datadvance.net/ • Model development for predictive maintenance (Airbus A319) • Outliers and anomaly detection in time-series (SVMs, ARIMA, GBM, etc.) • Exploratory Data Analysis, Raw flight data preprocessing, and Hypothesis testing 	Mar. 2017 to Jun. 2017 Moscow, Russia
JSC "ALFA-BANK" Data Analyst • https://potok.digital • Credit risk model development and implementation for P2B lending platform • Developed REST API for credit scoring model • Implemented Deployment pipeline with Docker images & containers • Collecting, processing, and analyzing transactional data (Python, Pandas, Numpy)	Jun. 2016 to Jun 2017 Moscow, Russia

EDUCATION

TECHNICAL SKILLS

Swift, OpenGL (GLSL), Metal

Python

Deep learning. PyTorch, PyTorch Lightning, TensorFlow Traditional Computer Vision: OpenCV, skimage Machine learning. scikit-learn, LightGBM Visualization. matplotlib.pyplot, plotly Data Analysis, Preprocessing. pandas;), NLTK Math. numpy, cvxopt Web, REST. FastAPI, Flask, jinja2 Mobile

Not Python

DBMS. PostgreSQL, ClickHouse, MongoDB
DevOps & Workflow.
Docker, Redis, Airflow, Nginx, Bash, CloudFoundry,
Git, *nix OS
Web. React

PAPERS AND PATENTS (For more, please see Google Scholar)

Method of on-device generation and supplying wallpaper stream and computing device implementing 2022 the same (Patent, WO2022075533A1) R. Suvorov, E. Logacheva, V. Lempitsky, A. Mashikhin, O. Khomenko https://patents.google.com/patent/WO2022075533A1/ Joint unsupervised object segmentation and inpainting (Patent, WO2020101246A1) 2020 P. Ostyakov, R. Suvorov, E. Logacheva, O. Khomenko, S. Nikolenko https://patents.google.com/patent/WO2020101246A1 The Impact of Intervention-Related Risk Factors on the Risk of Ventilator-Associated Pneumonia Is 2020 High in a Neurosurgical Intensive Care Unit. Ershova, K., Khomenko, O., Ershova, O., Savin, I., Kurdumova, N., Danilov, G. and Shifrin, M., 2020. Infection Control & Hospital Epidemiology, 41(S1), pp.s407-s409. https://www.cambridge.org/core/journals/infection-control-and-hospital-epidemiology DeepLandscape: Adversarial Modeling of Landscape Videos 2020 Elizaveta Logacheva, Roman Suvorov, Oleg Khomenko, Anton Mashikhin, Victor Lempitsky (2020). In Proceedings of the European Conference on Computer Vision (ECCV). https://saic-mdal.github.io/deep-landscape/ https://www.ecva.net/papers/eccv_2020/papers_ECCV/papers/123680256.pdf The Kaplan-Meier Model Overestimates The Probability Of Healthcare-Associated Infections In ICU 2020 Ksenia Ershova, Martin Wolkewitz, Oleg Khomenko, Olga Ershova, Vladimir Zelman Abstract @ IARS, AUA & SOCCA 2020 Annual Meetings in San Francisco https://archive.aievolution.com/2020/ars2001/index.cfm?do=abs.viewAbs&abs=4404 YouTube-8M, (Kaggle competition, 2nd place) 2018 Label Denoising with Large Ensembles of Heterogeneous Neural Networks Ostyakov, P., Logacheva, E., Suvorov, R., Aliev, V., Sterkin, G., Khomenko, O., & Nikolenko, S. I. (2018). In Proceedings of the European Conference on Computer Vision (ECCV). https://arxiv.org/abs/1809.04403 SEIGAN: Towards Compositional Image Generation by 2018 Simultaneously Learning to Segment, Enhance, and Inpaint Ostyakov, P., Suvorov, R., Logacheva, E., Khomenko, O., & Nikolenko, S. I. (2018). https://arxiv.org/abs/1811.07630 Healthcare-associated ventriculitis and meningitis in a neuro-ICU: Incidence and risk factors selected 2018 by machine learning approach. Savin, I., Ershova, K., Khomenko, O., Danilov, G., ... & Zelman, V. (2018). Journal of critical care, 45, 95-104. https://doi.org/10.1016/j.jcrc.2018.01.022

ADDITIONAL INFORMATION

Languages: English, Russian

Sports: Skateboarding, Gym, Running, Yoga, Surfing