VLADIMIR YUGAY

Ph.D. Candidate in 3D Computer Vision

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https://github.com/VladimirYugay

EDUCATION

Ph.D. in 3D Computer Vision

University of Amsterdam

April 2023 - Ongoing Amsterdam

Topic: *3D Online Scene Representation*

M.Sc. in Data Engineering and Analytics

Technical University of Munich

September 2018 – May 2022 Munich

Thesis: *LMOTS: Lifting Monocular Multi-Object Tracking and Segmentation*

B.Sc. in Applied Mathematics and Computer Science

Lomonosov Moscow State University

September 2014 – June 2018 Tashkent

Thesis: *Polynomial Completeness of Quasigroups*

PUBLICATIONS

Patrick Dendorfer, Vladimir Yugay, Aljosa Osep, Laura Leal-Taixé. **Quo Vadis: Is Trajectory Forecasting the Key Towards Long-Term Multi-Object Tracking?** NeurIPS, 2022.

Yugay V. L. **A criterion for polynomial completeness of quasigroups** (Russian). Intellectual systems, 2017, Volume 21. Part 3. 131-135

TECHNICAL SKILLS

Python | CUDA | C++ | PyTorch | 3D Geometry | 3D Human Body Modelling | 3D Reconstruction | Optimization | Object Tracking

LANGUAGES

English ● ● ● ● ●

Russian ● ● ● ● ●

EXPERIENCE

Deep Learning Engineer

KaiaHealth

October 2020 – March 2023 Munich

- Estimated 3D human pose
- Reconstructed 3D human body shape and pose
- Created realistic synthetic 3D human body data
- Collected and integrated a novel 3D human body dataset

Machine Learning Engineer, Intern

TWAICE

July 2020 – October 2020 Munich

- Created a cloud-based machine learning pipeline
- Trained neural networks for battery life span estimation

Machine Learning Engineer, part-time

Magazino

July 2019 – June 2020 Munich

- Improved object localization performance by 17%
- Created ETL pipeline for the robots' manipulation and perception logs analysis
- Analysed robots' perception logs using machine learning and cloud technologies
- Created software for robots' movement simulation

Software Engineer, Intern

Yandex

July 2018 – October 2018 Moscow

- Implemented greedy synchronization behavior for the real estate search feed
- Redesigned architecture for settings module of real estate search service