

Nora Horanyi

PH.D. CANDIDATE IN COMPUTER SCIENCE

Leeds, UK

🏠 <https://horanyinora.github.io/> | 🐙 [horanyinora](#) | in [nora-horanyi](#)

Experience

Machine Learning Specialist

JBA RISK MANAGEMENT

- Research project on flood detection and prediction using Computer Vision and Deep Learning techniques

Leeds, UK

Febr. 2023 - present

Research Assistant

SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF BIRMINGHAM

- Research project with the Korea Electronics Technology Institute
- Supervisor: Dr. Hyung Jin Chang

Birmingham, UK

Aug. 2021 - Aug. 2022

Research Associate

CHAIR OF COMPUTER GRAPHICS AND VISUALIZATION, TECHNICAL UNIVERSITY OF DRESDEN

- NeuroFusion project
- Supervisor: Prof. Dr. rer. nat. Stefan Gumhold

Dresden, Germany

Jan. 2018 - June 2018

Student researcher

RESEARCH CENTER FOR AUTOMATIC CONTROL OF NANCY, UNIVERSITY OF LORRAINE

- NETASSIST project
- Supervisor: Constantin Morărescu

Nancy, France

Apr. 2017 - May 2017

Student researcher

RESEARCH GROUP ON VISUAL COMPUTATION, UNIVERSITY OF SZEGED

- Master's thesis project, Traffic Object Detection and Registration with Stereo Imaging System project
- Supervisor: Prof. Zoltan Kato

Szeged, Hungary

2016 - 2018

Education

Ph.D. in Computer Science

INTELLIGENT ROBOTICS LABORATORY, SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF BIRMINGHAM

- Thesis topic:** Human attention target estimation and application on images using Deep Learning

Birmingham, UK

2018-2023

M.Sc. in Info-Bionics Engineering

FACULTY OF SCIENCE AND INFORMATICS, UNIVERSITY OF SZEGED

- Thesis title:** Absolute pose estimation using 3D-2D line correspondences and vertical direction — *Excellent with institutional award*

Szeged, Hungary

2016-2018

Selected Publications

- 2023 [Nora Horanyi, Yuqi Hou, Ales Leonardis, Hyung Jin Chang](#)
G-DAIC: A Gaze Initialized Framework for Description and Aesthetic-Based Image Cropping.
In Proceedings of Proceedings of Symposium on Eye Tracking Research & Applications (ETRA), ACM
- 2021 [Nora Horanyi, Kedi Xia, Kwang Moo Yi, Abhishake Kumar Bojja, Ales Leonardis, Hyung Jin Chang](#)
Repurposing Existing Deep Networks for Caption and Aesthetic-Guided Image Cropping.
In Proceedings of Pattern Recognition, Elsevier
- 2017 [Nora Horanyi, Zoltan Kato](#)
Multiview Absolute Pose Using 3D - 2D Perspective Line Correspondences and Vertical Direction.
In Proceedings of the ICCV Workshop on Multiview Relationships in 3D Data, IEEE
- 2017 [Nora Horanyi, Zoltan Kato](#)
Generalized Pose Estimation from Line Correspondences with Known Vertical Direction.
In Proceedings of International Conference on 3D Vision, IEEE

Other

Languages	English proficient, Hungarian native, German pre-intermediate
Programming	Python, MATLAB, C, R, Maple, PyTorch, OpenCV, Pandas, NumPy
Certificates	Associate Fellow of the Higher Education Academy, BCS Foundation Award in What is Machine Learning?, European Computer Driving Licence Certificate
Prices & Awards	Best EPS Poster Award(2022), Best Presentation Award(2019), Honor of the Dean(2017)
Training	Data Academy, TechTalent Academy
Other	Team spirit, Ability to cooperate, Open-minded, Creativity, Logical thinking, Hard-working, Goal oriented