

Lukas Uzolas

Delft | Netherlands

lukas@uzolas.com | github.com/lukasuz | linkedin.com/in/lukas-uzolas

EDUCATION

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|---|---|
| PhD CGV - Computer Science
TU Delft | May. 2022 – ongoing
Delft, Netherlands |
| <ul style="list-style-type: none"> Neural Rendering, Computer Vision, Machine Learning Supervised by Petr Kellnhofer & Elmar Eisemann | |
| M.Sc. Image Processing and Computer Vision
PPCU, UAM, UBx | Sep. 2019 – Sep. 2021
Hungary, Spain, France |
| <ul style="list-style-type: none"> Erasmus Mundus Master Degree conducted at three universities Thesis: Meta-Learning for Domain Generalization with Style-based Parameter Prediction in Biomedical Image Segmentation [thesis] | |
| B.Sc. Human-Computer-Interaction
University of Hamburg | Oct. 2015 – Jun. 2019
Hamburg, Germany |
| <ul style="list-style-type: none"> Computer Science and Psychology | |
| B.Sc. Business and Psychology
eufom | Sep. 2014 – Sep. 2015
Hamburg, Germany |
| <ul style="list-style-type: none"> After a year of study, I switched to Computer Science due to a stronger interest | |

EXPERIENCE

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| Master Thesis Research Intern (Remote)
VCG SEAS, Harvard University | Feb. 2021 – Jun. 2021
Boston, USA |
| <ul style="list-style-type: none"> Research internship to conduct my Master's thesis at the Visual Computing Group, Harvard University | |
| Summer Research Intern
Medical Engineering Development & Innovation Center | Jul. 2020 – Sep. 2020
Madrid, Spain |
| <ul style="list-style-type: none"> Research and implementation of algorithms extracting features from eye imagery with high speed cameras | |
| Working Student Software Development
Senacor, Daimler AG, BOOM GmbH | Oct. 2017 – Feb. 2019
Hamburg & Stuttgart, Germany |
| <ul style="list-style-type: none"> Involved in multiple projects at various companies Responsible for conceptualization and implementation of Fullstack and Backend applications | |

TEACHING & SUPERVISION

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| Thesis Co-supervision
TU Delft | Oct. 2023 - ongoing
Delft, Netherlands |
| <ul style="list-style-type: none"> Co-supervision of multiple B.Sc. and M.Sc. thesis projects | |
| Teaching Assistant in Applied Image Processing
TU Delft | Sep. 2022 - ongoing
Delft, Netherlands |
| <ul style="list-style-type: none"> Supervision of practical sessions, grading, creation of assignments (M.Sc. course) | |

Student Supervisor in Software Development

Oct. 2016 – July. 2017

University of Hamburg

Hamburg, Germany

- Teaching object-oriented programming to students, supervision and examination of student's homework, preparation of educational materials (B.Sc. course)

AWARDS AND HONOURS**Honours M.Sc. Degree in IPCV**

Sep. 2021

Honours degree in Image Processing and Computer Vision

Erasmus Mundus Master Scholarship

Sep. 2019

Fully funded graduate studies with an acceptance rate below 5 percent

Outstanding B.Sc. Degree in HCI

Jun. 2019

Best Human-Computer-Interaction degree in the summer semester of 2019

PUBLICATIONS**Template-free Articulated Neural Point Clouds for Reposable View Synthesis**, NeurIPS 2023 [[paper](#)]

Lukas Uzolas, Elmar Eisemann, Petr Kellnhofer

Deep Anomaly Generation: An Image Translation Approach of Synthesizing Abnormal Banded Chromosome Images, IEEE Access 2022 [[paper](#)]

Lukas Uzolas*, Javier Rico*, Pierrick Coupé, Juan C. SanMiguel, and György Cserey

Scale & Walk: Evaluation of scaling-based interaction techniques for natural locomotion in VR, Mensch und Computer 2018 [[paper \(German\)](#)]

Boysen, Yannic*; Husung, Malte*; Mantei, Timo*; Müller, Lisa-Maria*; Schimmelpfennig, Joshua*; Uzolas, Lukas*; Langbehn, Eike;

Original title (German): Evaluation von skalierungsbasierten Interaktionstechniken zur natürlichen Fortbewegung in VR

equal contribution*CODING PROFICIENCY**

I have worked with the following languages and frameworks amongst others:

Python (PyTorch, Tensorflow, Numpy, Pandas, scikit-learn, OpenCV, etc.), **NodeJS**, **C++**, **Javascript** (Vue.JS), **Java**, **C#**, **Matlab**, **Unity**, **Racket**, **AWS**, **SQL** (MySQL), **NoSQL** (MongoDB), **HTML**, **CSS**, **Git**, **slurm**, **Linux**