

Andreas Kriegler

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 📄 Google Scholar 🆔 0000-0002-5653-5181 👤 akriegler 📺 Andreas-Kriegler

Summary

PhD student in Computer Vision at TU Wien, set to finish in late 2026.

I am a PhD student in Computer Vision at the [CVL](#) at TU Wien. My supervisor is [Prof. Margrit Gelautz](#). My research is funded by the [AIT Austrian Institute of Technology](#) where I am further advised by [Csaba Beleznai](#).

My research lies in the intersection of classical Computer Vision, Deep Learning and Computer Graphics. The goal is to develop novel methods for highly generic object pose estimation. We are specifically interested in the geometry of objects and exploit rendering engines to generate synthetic data.

Before joining the PhD program, I received my M.Sc. and B.Sc. degrees in Mechatronics/Robotics from the UAS Technikum Wien, both with distinction.

Education

TU Wien

Dr. techn. (PhD) in Computer Science

Vienna, Austria

Mar 2021 – present

University of Applied Sciences Technikum Wien

M.Sc. (with distinction) in Mechatronics/Robotics

Vienna, Austria

Sept 2018 – Oct 2020

University of Applied Sciences Technikum Wien

B.Sc. (with distinction) in Mechatronics/Robotics

Vienna, Austria

Sept 2015 – June 2018

Experience

PhD Student

AIT Austrian Institute of Technology

Vienna, Austria

Mar 2021 – present

Univ. Research Assistant (external)

TU WIEN

Vienna, Austria

Mar 2021 – present

Computer Vision Engineer

AIT Austrian Institute of Technology

Vienna, Austria

Nov 2020 – Mar 2021

Diploma Student

AIT Austrian Institute of Technology

Vienna, Austria

Sept 2018 – Oct 2020

Application and Control Engineering Intern

SMS Group

Düsseldorf, Germany

Aug 2017 – Jan 2018

Academic Work

I Can't Believe It's Not Better Initiative

I joined the ICBINB initiative after the NeurIPS 2022 workshop. Our aim is to foster a community beyond benchmark climbing, specifically to provide a venue for negative results as well as introspective works. I helped organize the [2023 NeurIPS](#) and [2025 ICLR](#) workshops with them. Together with Prof. Neil Lawrence we publish outstanding works in the [Proceedings of Machine Learning Research series](#).

Worldwide

2022 – present

Teaching (TU Wien, guest lectures)

- Stereo Vision (188.513): 2021S, 2024S
- Video Analysis (188.329): 2021W, 2022W, 2023W

- Visual Analysis of Human Motion (188.468): 2022S, 2023S, 2025S

Reviewing

- Journals: [IJCV](#), [IJSR](#), [IJCSS](#)
- Conferences: [ICML](#), [SIGGRAPH](#), [DAGM](#), [CVWW](#), [ISPA](#), [ÖAGM](#)

Editor

- NeurIPS/ICLR ICBINB workshop proceedings: [PMLR](#)

Summer Schools

International Computer Vision Summer School (ICVSS)

Sicily, Italy

Attended the summer school and passed the examination session (1h)

July 2024

British Machine Vision Association Computer Vision Summer School

Lincoln, United Kingdom

Participated in 32 contact hours with exercises at the University of Lincoln

July 2019

Awards

- Graduated with distinction from the Master's degree (2020) at UAS Technikum Wien
- Graduated with distinction from the Bachelor's degree (2018) at UAS Technikum Wien
- My 2nd Bachelor thesis was nominated as the "Best Bachelor Thesis in Mechatronics in Austria (2018)"

Scholarships

- Received two scholarships from the UAS Technikum Wien for exceptional academic success (17/18, 19/20)
- Received a scholarship from the Karl-Seitz-Stiftung, reserved for students with exceptional academic success and difficult family background (2017)

Selected Publications

Review Paper: Body Movement Mirroring and Synchrony in Human-Robot Interaction

Oct 2024

D. Stoeva, **A. Kriegler**, M. Gelautz

[10.1145/3682074](#) (ACM Transactions on Human-Robot Interaction (THRI))

PrimitivePose: Generic Model and Representation for 3D Bounding Box Prediction of Unseen Objects

Aug 2023

A. Kriegler, C. Beleznaï, M. Gelautz, M. Murschitz, K. Göbel

[10.1142/S1793351X23620027](#) (International Journal of Semantic Computing (IJSC))

Paradigmatic Revolutions in Computer Vision

Dec 2022

A. Kriegler

[drive.google.com/file/d/1ItDGcljAQOYo-HKHJLcC4gAgapCIQPns/view](#) (Advances in Neural Information Processing Systems 35 (NeurIPS 2022) - I Can't Believe It's Not Better (ICBINB) Workshop)

The Aircraft Context Dataset: Understanding and Optimizing Data Variability in Aerial Domains

Nov 2021

D. Steininger, V. Widhalm, J. Simon, **A. Kriegler**, C. Sulzbacher

[10.1109/ICCVW54120.2021.00426](#) (2021 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW))

Vision-based Docking of a Mobile Robot

Aug 2020

A. Kriegler, W. Wöber

[10.3217/978-3-85125-752-6-03](#) (Joint Austrian Computer Vision and Robotics Workshop (ACVRW))