

Johannes Eschner

Curriculum Vitae

Personal Information

Position University Assistant
Affiliation TU Wien Institute of Visual Computing & Human-Centered Technology
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Experience

- 2025-Present **University Assistant and PhD student, TU Wien, Vienna, Austria.**
○ Institute of Visual Computing & Human-Centered Technology.
- 2023 - 2025 **Project Assistant and PhD student, TU Wien, Vienna, Austria.**
○ Institute of Visual Computing & Human-Centered Technology.
○ Research project: Joint Human-Machine Data Exploration
- 2022 - 2023 **Student Employee, TU Wien, Vienna, Austria.**
○ Study assistant in the visualization group.
○ Implementation tasks for publications.
- 2018 - 2022 **Tutor, TU Wien, Vienna, Austria.**
○ For lectures: Einführung in Visual Computing, Einführung in die Computergraphik, Computergraphik, Real-Time Visualization, Interface and Interaction Design, and Usability Engineering.
- 2020 - 2021 **Student Employee, TU Wien, Vienna, Austria.**
○ Technical assistant for the local organization of the virtual Eurographics'2021 conference.
- 2015 - 2019 **Freelance Work in 3D Design and Visualization, Vienna, Austria.**
- 2015 - 2016 **Civil Service, Dokumentationsarchiv des österreichischen Widerstands, Vienna, Austria.**

Higher Education

- 2023-Present **PhD in Computer Science**, *TU Wien, Vienna, Austria*.
○ Institute of Visual Computing & Human-Centered Technology.
- 2019 - 2023 **MSc Visual Computing** with highest distinction, *TU Wien, Vienna, Austria*.
○ Diploma thesis title: *Real-Time Avalanche Risk Visualization on a Large-Scale Geospatial Dataset*.
- 2016 - 2019 **BSc Media Informatics and Visual Computing**, *TU Wien, Vienna, Austria*.
○ Bachelors thesis title: *Generating Synthetic Training Data for Video Surveillance Applications*.

Publications

- [1] **Eschner, J.**, Labadie-Tamayo, R., Zeppelzauer, M., and Waldner, M. **June 2025**. Interactive discovery and exploration of visual bias in generative text-to-image models. *Computer Graphics Forum*, 44(3):12. DOI: 10.1111/cgf.70135.
- [2] Grammatikaki, A., **Eschner, J.**, Ledermann, F., Argudo, O., and Waldner, M. **May 2025**. How to represent landmark trees in digital 3d maps? an automated workflow and user study. *Cartography and Geographic Information Science*, 0(0):1–18. DOI: 10.1080/15230406.2025.2489543.
- [3] Huber, M., **Eschner, J.**, Krösl, K., and Vuckovic, M. **Sept. 2025**. Enhancing environmental data communication through vr. In *Computer Graphics & Visual Computing (CGVC) 2025 : Eurographics UK Chapter Proceedings : Liverpool John Moores University, UK : 11 - 12 September 2025*, pages 1–5, Liverpool John Moores University. The Eurographics Association. ISBN: 978-3-03868-293-6. DOI: 10.2312/cgvc.20251220. URL: <https://www.cg.tuwien.ac.at/research/publications/2025/huber-2025-eed/>.
- [4] **Eschner, J.**, Celarek, A., and Waldner, M. **Nov. 2023**. Echtzeitvisualisierung von lawinenrisiko basierend auf hochauflösenden geodaten. In *Lawinensymposium 2023*, Graz. ISBN: 978-3-903252-18-9.
- [5] **Eschner, J.**, Mindek, P., and Waldner, M. **June 2023**. Illustrative motion smoothing for attention guidance in dynamic visualizations. *Computer Graphics Forum*, 42(3):361–372. ISSN: 1467-8659. DOI: 10.1111/cgf.14836.