

Marco Schouten

PhD Student

Copenhagen, Denmark

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🌐 [marcoschouten](https://marcoschouten.com)

Research Interests

How to make machines understand the world through generative modeling.

Education

- 11/2023–11/2026 **Ph.D. Computer Science**, *Technical University of Denmark*, Copenhagen, DK
Advisors: [Dim P. Papadopoulos](#), [Serge Belongie](#)
- 08/2020–09/2022 **M.Sc. Machine Learning**, *KTH Royal Institute of Technology*, Stockholm, SE
GPA 4.84/5.00
- 08/2021–01/2022 **Exchange Computer Science**, *Delft University of Technology*, Delft, NL
- 09/2017–07/2020 **B.Sc. Computer Engineering**, *University of Genoa*, Genoa, IT
Final Grade: 109/110 (Rank 4/150)

Experience

- 10/2023–Present **PhD Student**, *DTU & Pioneer Centre for AI*, Copenhagen, DK
Advisors: [Dim P. Papadopoulos](#), [Serge Belongie](#)
Research on generative models for image generation and understanding.
- 01/2023–10/2023 **Research Intern**, *Aptiv*, Düsseldorf, DE
Supervisor: [Pascal Colling](#)
Developed a deep learning algorithm for HD map generation from radar and LiDAR data.
- 01/2022–09/2022 **Research Intern**, *KTH & SMaRC*, Stockholm, SE
Supervisor: [John Folkesson](#)
Developed a pose estimation algorithm for underwater vehicles from sonar data.

Awards

- 2025 Selected, International Computer Vision Summer School (ICVSS)
- 2021 Mentee, LeadTheFuture Mentorship Program
- 2020 Hattrick Award, KTH
- 2018–2020 Scholarship, University of Genoa

Teaching

- 2024–2025 Teaching Assistant, Introduction to Deep Learning in Computer Vision (DTU)
- 2025 Teaching Assistant, Advanced Deep Learning in Computer Vision (DTU)
- 2024–2025 Academic Support, SPS (DTU), Copenhagen, Denmark

2024 Invited Talk, Computer Vision Workshop, Pioneer Centre for AI

Publications

- 1 **Schouten, M.**, Kaya, M.O., Belongie, S., Papadopoulos, D.P. “Instruction-Guided Precise Image Editing Using Multimodal LLMs.” *CVPR Workshops*, 2025. [\[PDF\]](#)
- 2 **Schouten, M.**, Kaya, M.O., Belongie, S., Papadopoulos, D.P. “POEM: Precise Object-Level Editing via MLLM Control.” *SCIA*, 2025. [\[arXiv\]](#)
- 3 Cadermatori, L., Galatà, G., Monaco, C.L., Maratea, M., Mochi, M., **Schouten, M.** “An ASP-Based Approach to Master Surgical Scheduling.” *CILC*, 2022. [\[PDF\]](#)
- 4 Alviano, M., Bertolucci, R., Cardellini, M., Dodaro, C., Galatà, G., Khan, M.K., Maratea, M., Mochi, M., Morozan, V., Porro, I., **Schouten, M.** “Answer Set Programming in Healthcare: Extended Overview.” *AI*IA*, 2020. [\[PDF\]](#)

Skills

Programming Python, PyTorch, LaTeX

Tools Git, Bash, High-performance computing (HPC)

Languages English, Italian