ENIS SIMSAR

CONTACT INFORMATION

E-mail: enisimsar@gmail.com
Address: Zurich, Switzerland
Google Scholar: Enis Simsar
Website: https://enis.dev
GitHub: https://github.com/enisimsar
LinkedIn: https://linkedin.com/in/enisimsar

EDUCATION

ETH Zurich, Informatics, Ph.D. **Nov 2022-Present**
Zurich, Switzerland, https://ml.inf.ethz.ch/
Joint PhD Student with Google
Supervised by Prof. Dr. Thomas Hofmann and Dr. Federico Tombari

Technical University of Munich, Informatics, M.Sc. **Oct 2019-Aug 2022**
Munich, Germany, https://www.in.tum.de/en **GPA:** 1.5/4.0 (1.0 is the highest score)
Thesis Topic: Semantic Manipulations in Latent Space of 3D Generative Adversarial Networks (working with Google at Zurich and funded by them)

Bogazici University, Computer Engineering, B.Sc. **Sep 2014-Jun 2019**
Istanbul, Turkey, http://www.cmpe.boun.edu.tr
(Bogazici is one of the oldest universities in Turkey, and repeatedly ranked as #1 in Turkey by US News)
GPA: 3.77/4.00 – Ranked as 3^{rd} out of 120 graduating seniors.

HIGHLIGHTED PUBLICATIONS

Simsar, E., Hofmann, T., Tombari, F., & Yanardag, P. (2025). LoRACLR: Contrastive Adaptation for Customization of Diffusion Models. In CVPR (pp. 13189-13198).

Meral, T. H. S., Simsar, E., Tombari, F., & Yanardag, P. (2025). CLoRA: Contrastive Test-Time Composition of Multiple LoRA Models for Image Generation. In ICCV (Highlight).

Simsar, E., Tonioni, A., Xian, Y., Hofmann, T., & Tombari, F. (2025). UIP2P: Unsupervised Instruction-based Image Editing via Edit Reversibility Constraint. In ICCV.

Simsar, E., Tonioni, A., Xian, Y., Hofmann, T., & Tombari, F. (2025). LIME: Localized Image Editing via Attention Regularization in Diffusion Models. In WACV (pp. 222-231, Oral).

Meral, T. H. S., Simsar, E., Tombari, F., & Yanardag, P. (2024). CONFORM: Contrast is all you need for high-fidelity text-to-image diffusion models. In CVPR (pp. 9005-9014).

Zheng, M., Simsar, E., Yesiltepe, H., Tombari, F., Simon, J., & Yanardag Delul, P. (2024). Stylebreeder: Exploring and democratizing artistic styles through text-to-image models. NeurIPS Datasets Track.

PATENTS

Cili, G., Rahme, R., Goindani, M., Akdim, N., Simsar, E. (2024). Application and Service Context Aware Cell Selection. US Patent App. 18/635,234.

RESEARCH EXPERIENCE

Ph.D. Researcher, ETH Zurich & Google **Nov 2022-Present**

- Joint Ph.D. program working on controllable image generation and editing with diffusion models.
- Research focuses on fine-grained control over generative processes: LoRACLR (CVPR'25), CLoRA (ICCV'25 Highlight), UIP2P (ICCV'25), LIME (WACV'25 Oral), and StyleBreeder (NeurIPS'24).
- Supervised by Prof. Dr. Thomas Hofmann (ETH Zurich) and Dr. Federico Tombari (Google).
- Co-organizing 'Personalization in Generative AI Workshop' at ICCV 2025.

Graduate Researcher, Technical University of Munich **June 2020-Sep 2022**

- Worked with Dr. Federico Tombari on monocular depth estimation and 3D scene understanding.
- **Simsar, E.**, et al. (2022). Object-Aware Monocular Depth Prediction With Instance Convolutions. IEEE Robotics and Automation Letters.

Graduate Researcher, Bogazici University **Feb 2020-Sep 2022**

- Worked with Dr. Pinar Yanardag on GAN latent space discovery with contrastive learning.
- **Simsar, E.**, et al. (2022). Fantastic Style Channels and Where to Find Them: A Submodular Framework for Discovering Diverse Directions in GANs.

PROFESSIONAL EXPERIENCE

Machine Learning Engineer - Freelancer, Exo-Metrics **Nov 2021-Nov 2022**

- OCR on medical report documents. Classification and metadata extraction on digital versions.
- Applying transformer models for the classification task
- Technologies used: Tesseract, Google Cloud, Python

Machine Learning Engineer - Intern, Apple **Apr 2021-Sep 2021**

- Filed patent related to cellular performance scoring.
- Responsible for NLP tasks (transformer-based) deployed on iOS.
- Technologies used: Swift UI, Objective-c, Pytorch, OmniSci DB

Data Scientist - Working Student, Siemens Analytics Lab **Oct 2019-Feb 2021**

- Responsible for Computer Vision and NLP-related tasks.
- Technologies used: Keras, PyTorch

AWARDS

Outstanding Reviewer, CVPR 2025 **2025**

- Recognized for exceptional peer review contributions at the premier computer vision conference.

ICCV'25 Highlight Paper (CLoRA) **2025**

- CLoRA paper selected as highlight at ICCV 2025, one of the top-tier computer vision conferences.

WACV'25 Oral Presentation (LIME) **2025**

- LIME paper selected for oral presentation at WACV 2025.

ICCV'25 Doctoral Consortium Acceptance **2025**

- Selected to present PhD research at the prestigious ICCV Doctoral Consortium.

Kaggle Petfinder Competition (21st/1805 teams) **Apr 2019**

- Leading team member for pet adoption prediction using image and tabular data analysis

Additional Recognition **2019**

- 1st place at Teknofest AI Competition (336 teams), Senior Project Award (Bogazici University), 2nd place at ING Bank Datathon (200 participants)
- Joint project with HBO is used in Westworld TV Series' main title and nominated for Emmy Awards 2020, Outstanding Main Title Design
- Top Ranks in ML Competitions: Kaggle Petfinder Competition(21st/1805), Teknofest(1st/336), ING Bank Datathon'19(2nd/200) Hack Bogazici Hackathon(1st/25), LC Waikiki Datathon(3rd/100), AIgoRun Hackathon(3rd/35), TUM MOT(1st/45).

TECHNICAL SKILLS

- **Programming:** Python, Swift, PHP, Java, HTML5 & CSS3
- **ML/AI:** PyTorch, Keras, Diffusion Models, LoRA, Contrastive Learning, GANs, Transformers
- **Tools & Frameworks:** Docker, Git, AWS, PostgreSQL, MongoDB, Flask, Jupyter