

LAURA NESCHEN

PhD Student in Computer Vision

Grenoble, France <https://www.linkedin.com/in/laura-neschen-756562227/>



WORK EXPERIENCE

INRIA & Université Grenoble Alpes

PhD Student

October 2024 – now

- Team: Morpheo
- Supervisors: Stefanie Wuhrer & Jean-Sébastien Franco
- Title: Joint 3D reconstruction and correspondence computation of deforming objects from multi-view 2D videos
- Research interests: non-rigid reconstruction, differentiable rendering, deformation modeling

RecoSys Recognition Systems GmbH

Deep Learning Engineer

June – July 2024

Development of Deep Learning models for real-time OCR and character segmentation

IBDM, Aix-Marseille Université

Computer Vision Engineer

November 2023 – April 2024

3D tracking of large numbers of flies from sparse views

University of Freiburg

Teaching Assistant in Statistics

October 2021–February 2022

PROJECTS AND SEMINARS

Dagstuhl seminar: Generative Models for 3D Computer Vision

May 2025

Institut de Mathématiques de Marseille

Master Student

April–October 2023

Automated hyperparameter optimization for a tracking algorithm using Bayesian Optimization

CENTURI Summer School 2023, Marseille

June 2023

ACHIEVEMENTS

Image Classification Challenge
1st place in **Deep Learning competition** organized by the University of Freiburg

CENTURI Hackathon 2023
1st place with project FlyTrack

TECHNICAL SKILLS

Computer Vision

Machine Learning

Deep Learning

Optimization

Image processing

Statistics

Git and Github

Python

PyTorch

OpenCV

EDUCATION

PhD in Computer Science, Université Grenoble Alpes

2024 - now Grenoble, France

M.Sc. in Environmental Sciences, University of Freiburg

2020 - 2023 Freiburg, Germany

1.3 (equivalent to GPA 3.7/4.0)
ECTS rank A (top 10 % of students)

B.Sc. in Biology and Chemistry, University of Freiburg

2015 - 2019 Freiburg, Germany

1.9 (equivalent to GPA 3.1/4.0)

LANGUAGES

German

English

Italian

French