NICOLAS STELLWAG

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EDUCATION

Harvard University *Master's Thesis* Jul 2026 - Present
- Thesis on deep mutual information estimation for medical images
- Joint project with Inria Paris

Inria Paris *Master's Thesis* Mar 2026 - Jun 2026
- Thesis on deep mutual information estimation for medical images
- Joint project with Harvard University

University of Exeter *Exchange Semester Computer Science* Sep 2024 - Dec 2024
- Courses in computer science and philosophy

Technical University of Munich *MSc Informatics (Computer Science)* Apr 2023 - Present
- Current avg. grade: 1.3 (German system)
- Focus on 3D computer vision and medical imaging

Friedrich-Alexander University Erlangen-Nuremberg *BSc Computer Science* Oct 2019 - Apr 2023
- Grade: 1.5 (German system)
- Thesis: Projection Domain Metal Segmentation With Iterative Epipolar Consistency

EXPERIENCE

Brigham and Women's Hospital *Research Internship* Jul 2026 - Present
- Tied to master's thesis at Harvard University
- Supervised by Nazim Haouchine at Surgical Planning Lab

Paris Brain Institute *Research Internship* Mar 2026 - Jun 2026
- Tied to master's thesis at Inria Paris
- Supervised by Reuben Dorent at ARAMIS Lab

TUM 3D AI Lab *Student Research Assistant* May 2024 - Sep 2024
- Trained pointcloud panoptic and semantic segmentation baselines for the ScanNet++ benchmark

Siemens Healthineers (Erlangen, BY, DE) *Working Student* Jun 2023 - Oct 2023
- Team: Image Processing Algorithms
- Worked on synthetic training data generation using Monte Carlo CT simulation

Siemens Healthineers (Erlangen, BY, DE) *Research Internship* Dec 2022 - Apr 2023
- Tied to bachelor's thesis at FAU Pattern Recognition Lab
- Team: Image Processing Algorithms

Siemens Healthineers (Erlangen, BY, DE) *Working Student* Jul 2022 - Nov 2022
- Team: Image Processing Algorithms
- Worked on Python bindings for the CERA C++ image reconstruction library

DATEV (Nuremberg, BY, DE) *Dual Study Program* Sep 2018 - Jun 2022
- Team: Central Quality Management
- Completed German dual vocational training ("Duale Ausbildung") while pursuing bachelor's degree
- Responsible for implementation and support of an internal testing tool used by all on-premises product teams

VOLUNTEERING

TUM.ai *Member* May 2025 - Present
- Co-founded and co-lead generative modeling taskforce
- Contributed to research project on 4D reconstruction and agentic spatio-temporal reasoning over laparoscopic surgery videos