

Constantin Seibold, Ph.D.

✉ +49 160 3743570 | ✉ constantinseibold@gmail.com | ✉ constantinseibold.github.io | Google Scholar

Professional Experience

January 2026 - present	Lecturer , Department of Computational Linguistics, Heidelberg University
August 2025 - present	Research Group Leader , Diagnostic and interventional radiology, Heidelberg University Clinic
May 2023 - Nov. 2024	Junior Research Group Leader , Institute for Artificial Intelligence in Medicine, Clinic for Nuclear Medicine, University Medicine Essen
July 2019- Dec. 2022	Research Assistant , Computer Vision for Human-Computer Interaction Lab, Karlsruhe Institute of Technology
March 2019- July 2019	Student Research Assistant , Computer Vision for Human-Computer Interaction Lab , Karlsruhe Institute of Technology

Education

July 2019 - April 2023	PhD Computer Science , Karlsruhe Institute of Technology, Helmholtz Information & Data Science School for Health (HIDSS4Health) Thesis Title: Towards the automatic generation of medical reports in low supervision scenarios Grade: Summa Cum Laude ,  KIT Doctoral Award Advisor: Prof. Dr.-Ing. Rainer Stiefelhagen
Oct. 2016 - March 2019	M. Sc. Computer Science , Karlsruhe Institute of Technology Thesis Title: Generative Models for Make-Up Style Transfer and Removal Master Thesis Advisor: Dr.-Ing. Muhammed Saqib Sarfraz, Prof. Dr.-Ing. Rainer Stiefelhagen
Oct. 2013 - Oct. 2016	B.Sc. Computer Science , University of Stuttgart Thesis Title: Improving author co-citation analysis in scientific literature by using citation function classification Bachelor Thesis Advisor: Dr.-Ing. Roman Klinger, Prof. Dr.-Ing. Sebastian Pado

Funded Research Projects

2024	Seedfunding des Camilla-und-Georg-Jellinek-Zentrum für Ethik , Umgang mit unsicherem Wissen bei der Forschung zu krankheitsrelevanten Prädiktoren in der KI-gestützten medizinischen Bildgebung im Rahmen des Lungenkrebscreenings, Role: Support in Grant Application Process, Sub-Project Volume: 30.000€
2024	EU HORIZON JU - Innovative Health Initiative - HORIZON-JU-IHI-2023-05-02 , Thera4Care - THERANOSTICS ECOSYSTEM FOR PERSONALISED CARE, Role: PI, Sub-Project Volume: 260.000€ [Link]
2022	HIDSS4Health , Using Anatomical Knowledge to Improve Medical Image Analysis, Role: Support in Grant Application Process, Volume: 130.000€ (50% PhD position, 3 years) [Link]
2022	HIDSS4Health , Interactive Annotation of Volumetric Imaging Data Incorporating Report Information, Role: Support in Grant Application Process, Volume: 130.000€ (50% PhD position, 3 years) [Link]
2019	HIDSS4Health , Generating Medical Imaging Reports from 3D Radiological CT Scans using Image Captioning Techniques, Role: Team-member, project implementation[Link]

Awards

2024	2nd Place , Automated Lesion Segmentation in Whole-Body PET/CT Challenge - autoPET III [paper]
2024	1st Place (Spanish, Chinese), 3rd Place English , MEDIQA-M3D Challenge at NAACL-ClinicalNLP [paper]
2023	Winning Team of the UME - Innovation Contest , University Medicine Essen
2023	KIT Doctoral Award , Karlsruhe Institute of Technology [link]
2022	Student Travel Award , Medical Image Computing and Computer Assisted Intervention Society [link]
2022	Teaching Award - Best Practical Course , Karlsruhe Institute of Technology, CS Faculty [link]
2019	Best Industry Paper Award , British Machine Vision Conference [paper]

Teaching Experience

THESES

Since 2024	Supervision of Ph.D. Theses , UME; Students: H. Kalisch
2023-2024	Co-Supervision of Ph.D. Theses , UME; Students: L. Heine, A. Brehmer, F. Jonske
2020-2024	Supervision of Master Theses , KIT, UME; Students: P. Nguyen, W. Di, P. Albrecht, R. Chlebecic
2020, 2024	Supervision of Bachelor Theses , KIT, UME; Students: C. Goos, J. Nasimzada, S. Mahler

COURSES

2026	Hauptseminar: Identifying Structure in Data , University Heidelberg; Lecturer [SS26]
2022	Deep Learning for Computer Vision I: Basics , KIT; Teaching Assistant [SS22]
2021-2022	Deep Learning for Computer Vision II: Advanced Topics , KIT; Teaching Assistant, Lecturer [WS 22, WS 23]
2021-2022	Practical Course - Computer Vision for Human Computer Interaction , KIT; Lecturer/Course Organizer [ Best Practical Course of SS21] [WS21, SS21, WS22], consistently LQI 100 ("Lehrqualitätsindex", 100 is the best possible value at KIT).
2020-2021	Deep Learning for Computer Vision , KIT; Teaching Assistant [SS20, SS21]

Outreach & Professional Development

COMMUNITY ENGAGEMENT

2026	Organization of the ECCV Workshop (ongoing) - Identifying Structure in Data , Organizer
2026	Organization of the CVPR Tutorial (in review) - Identifying Structure in Data , Organizer
2025	CVPR Tutorial - Identifying Structure in Data , Organizer [link]
2023-2024	Initiating and organizing the Computer-Vision Reading Group at the IKIM , Organizer, Presenter
2021-2022	Initiating and organizing the Computer-Vision Reading Group at CV:HCI , Organizer, Presenter
2022	MICCAI Workshop - Medical Applications with Disentanglements , Program Committee

Invited Talks

2025	#algorithm-meeting @ DeepHealth , Online Dimensionality Reduction and Clustering Tutorial
2025	AI, ML and Computer Vision Meetup , Online (hosted by voxel51) Clustering in Computer Vision: From Theory to Applications
2024	ENBIS Spring Meeting , Dortmund, Germany Interpretable AI in Medicine: Generating Radiological Reports with Panoptic Scene Graphs
2024	Intelligent Sensing and Perception Group , Stuttgart, Germany The Current state of vision-language models in Radiology