

YIHENG XIONG — CURRICULUM VITAE

Albert-Einstein-Allee 23, Department of Diagnostic and Interventional Radiology, 89081 Ulm - Germany

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CURRENT POSITION

DFG Research Training Group KEMAI, Ulm University Dec. 2024 - present
PhD Student in Computer Vision & Machine Learning for Medical Imaging Analysis Ulm, Germany

University Hospital of Ulm Dec. 2024 - present
Scientific Employee at the Department of Diagnostic and Interventional Radiology Ulm, Germany

EDUCATION

Technical University of Munich Oct. 2020 - Dec. 2023
MS in Informatics, with distinction Munich, Germany

Nanjing University Sept. 2016 - Jul. 2020
BE in Software Engineering Nanjing, China

RESEARCH EXPERIENCE

Research Intern Technical University of Munich
TUM 3D AI Lab, Munich, Germany Jan. 2024 - Jul. 2024

- Probabilistic 3D object reconstruction from a highly-ambiguous RGB image. (Mentor: Angela Dai)

Postgraduate Researcher Technical University of Munich
TUM CAMP, Munich, Germany Jul. 2022 - Feb. 2023

- Generated radiology graphs directly from chest X-ray images. (Mentors: Kamilia Zaripova & Matthias Keicher)

Research Assistant Technical University of Munich
TUM 3D AI Lab, Munich, Germany Apr. 2022 - Sept. 2022

- Web development for [ScanNet200 benchmark](#);
- [iOS application](#) development based on ARKit for [ScanNet++ dataset](#).

PUBLICATIONS

* denotes equal contribution and † denotes shared last authorship.

Y. Xiong, A. Dai. PT43D: A Probabilistic Transformer for Generating 3D Shapes from Single Highly-Ambiguous RGB Images. **BMVC 2024 (Oral, top 3%)**.

Y. Xiong*, J. Liu*, K. Zaripova*, S. Sharifzadeh, M. Keicher†, N. Navab†. Prior-RadGraphFormer: A Prior-Knowledge-Enhanced Transformer for Generating Radiology Graphs from X-Rays. **GRAIL @ MICCAI 2023**.

SKILLS

Programming Languages	Python, Java, C++, PHP, SQL, Swift
Frameworks & Libraries	PyTorch, TensorFlow
Tools & Environments	Linux, Docker, AWS
Documentation	LaTeX

TEACHING EXPERIENCE

Teaching Assistant Technical University of Munich
Introduction to Informatics (IN8027) Winter Semester 2022