

# 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**

*PhD Student in Computer Vision & Deep Learning for Medical Image Analysis*

**Dec. 2024 - present**

*Ulm, Germany*

**University Hospital of Ulm**

*Scientific Employee at the Department of Diagnostic and Interventional Radiology*

**Dec. 2024 - present**

*Ulm, Germany*

## EDUCATION

**Technical University of Munich**

*MS in Informatics, with distinction*

**Oct. 2020 - Dec. 2023**

*Munich, Germany*

**Nanjing University**

*BE in Software Engineering*

**Sept. 2016 - Jul. 2020**

*Nanjing, China*

## RESEARCH EXPERIENCE

**Research Intern**

*TUM 3D AI Lab, Munich, Germany*

**Technical University of Munich**

*Jan. 2024 - Jul. 2024*

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

**Postgraduate Researcher**

*TUM CAMP, Munich, Germany*

**Technical University of Munich**

*Jul. 2022 - Feb. 2023*

- Scene graph generation from chest X-ray images. (Advisors: Kamilia Zaripova & Matthias Keicher)

**Research Assistant**

*TUM 3D AI Lab, Munich, Germany*

**Technical University of Munich**

*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.

L. Gallée, **Y. Xiong**, M. Beer, M. Götz. FunnyNodules: A Customizable Medical Dataset Tailored for Evaluating Explainable AI. *MIDL 2026*.

**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**

*Introduction to Informatics (IN8027)*

**Technical University of Munich**

*Winter Semester 2022*