

# YIHENG XIONG — CURRICULUM VITAE

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

[yiheng.xiong@uni-ulm.de](mailto:yiheng.xiong@uni-ulm.de) ♦ [xiongyiheng.github.io](https://github.com/xiongyiheng)

## 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)**.

**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

<b>Programming Languages</b>	Python, Java, C++, PHP, SQL, Swift
<b>Frameworks &amp; Libraries</b>	PyTorch, TensorFlow
<b>Tools &amp; Environments</b>	Linux, Docker, AWS
<b>Documentation</b>	LaTeX

## TEACHING EXPERIENCE

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