YIHENG XIONG — CURRICULUM VITAE

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CURRENT POSITION

DFG Research Training Group KEMAI, Ulm University   **Dec. 2024 - present**
PhD Student in Computer Vision & Deep Learning for Medical Image 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. (Advisor: Angela Dai)

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

- Scene graph generation from chest X-ray images. (Advisors: 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*