

YIHENG XIONG — CURRICULUM VITAE

Albert-Einstein-Allee 23, Section of Experimental Radiology, 89081 Ulm - Germany

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CURRENT POSITION

DFG Research Training Group KEMAI, Ulm University <i>PhD Student in Computer Vision & Machine Learning for Medical Imaging Analysis</i>	Dec. 2024 - present <i>Ulm, Germany</i>
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University Hospital of Ulm <i>Scientific Employee at Section of Experimental Radiology</i>	Dec. 2024 - present <i>Ulm, Germany</i>
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EDUCATION

Technical University of Munich <i>MS in Informatics, with distinction</i>	Oct. 2020 - Dec. 2023 <i>Munich, Germany</i>
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Nanjing University <i>BE in Software Engineering</i>	Sept. 2016 - Jul. 2020 <i>Nanjing, China</i>
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RESEARCH EXPERIENCE

Research Intern <i>TUM 3D AI Lab, Munich, Germany</i>	Technical University of Munich <i>Jan. 2024 - Jul. 2024</i>
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- Probabilistic 3D object reconstruction from a highly-ambiguous RGB image. (Mentor: Angela Dai)

Postgraduate Researcher <i>TUM CAMP, Munich, Germany</i>	Technical University of Munich <i>Jul. 2022 - Feb. 2023</i>
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- Generated radiology graphs directly from chest X-ray images. (Mentors: Kamilia Zaripova & Matthias Keicher)

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

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

TEACHING EXPERIENCE

Teaching Assistant <i>Introduction to Informatics (IN8027)</i>	Technical University of Munich <i>Winter Semester 2022</i>
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