

YIHENG XIONG — CURRICULUM VITAE

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

yiheng.xiong@uni-ulm.de ◊ xiongyiheng.github.io

CURRENT POSITION

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| DFG Research Training Group KEMAI, Ulm University <i>PhD Student in Computer Vision & Deep Learning for Medical Image Analysis</i> | Dec. 2024 - present <i>Ulm, Germany</i> |
| University Hospital of Ulm <i>Scientific Employee at the Department of Diagnostic and Interventional Radiology</i> | Dec. 2024 - present <i>Ulm, Germany</i> |

EDUCATION

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

RESEARCH EXPERIENCE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Research Intern <i>TUM 3D AI Lab, Munich, Germany</i> | Technical University of Munich <i>Jan. 2024 - Jul. 2024</i> |
| • Probabilistic 3D object reconstruction from a highly-ambiguous RGB image. (Advisor: Angela Dai) | |
| Postgraduate Researcher <i>TUM CAMP, Munich, Germany</i> | Technical University of Munich <i>Jul. 2022 - Feb. 2023</i> |
| • Scene graph generation from chest X-ray images. (Advisors: Kamilia Zaripova & Matthias Keicher) | |
| Research Assistant <i>TUM 3D AI Lab, Munich, Germany</i> | Technical University of Munich <i>Apr. 2022 - Sept. 2022</i> |
| • 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 <i>Introduction to Informatics (IN8027)</i> | Technical University of Munich <i>Winter Semester 2022</i> |
|--------------------------------------------------------------------------|----------------------------------------------------------------------|