

# YIHENG XIONG

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## EDUCATION

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**Master of Informatics**, Technical University of Munich 2020 - 2023

**Bachelor of Software Engineering**, Nanjing University 2016 - 2020

## PUBLICATIONS

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\* 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. *Under Review* 2024.

[Arxiv](#) | [Code](#)

**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.

[Arxiv](#) | [Paper](#) | [Code](#)

## RESEARCH PROJECTS

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**Structured Medical Report Generation** 2022

*Supervisor: Prof. Nassir Navab* *Munich, Germany*

- Generated structured medical report dataset from radiology graphs labels (RadGraph);
- Proposed Structure Generation Transformer where given X-ray images the outputs are structured reports.

[Slides](#)

**3D Object Detection and Relocalization in Indoor Scenes** 2022

*Supervisor: Prof. Matthias Nießner* *Munich, Germany*

- Fine-tuned and modified VoteNet and CenterPoint to detect objects on 3RScan and ScanNet dataset;
- Re-defined 3D relocalization and conducted experiments with VoteNet and CenterPoint in 3RScan.

[Report](#)

## WORKING EXPERIENCE

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**Research Assistant** 2022

TUM 3D AI Lab *Munich, Germany*

- Developed ScanNet200 benchmark;
- IOS development based on ARKit.

## SKILLS

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**Languages** Python, Java, SQL, PHP, C++

**Frameworks** Pytorch, Tensorflow

## TEACHING EXPERIENCE

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**Teaching Assistant** 2022

Introduction to Informatics (IN8027) *Munich, Germany*