YIHENG XIONG

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https://xiongyiheng.github.io/

EDUCATION

Master of Informatics, Technical University of Munich   2020 - 2023

Bachelor of Software Engineering, Nanjing University   2016 - 2020

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.

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

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

SKILLS

Languages	Python, Java, SQL, PHP, C++
Frameworks	Pytorch, Tensorflow

TEACHING EXPERIENCE

Teaching Assistant   2022

Introduction to Informatics (IN8027)   *Munich, Germany*

REFEREES

Prof. Dr. Angela Dai   https://www.3dunderstanding.org/index.html

Prof. Dr. Nassir Navab   https://www.cs.cit.tum.de/camp/members/cv-nassir-navab/nassir-navab/