YIZHENG XIE

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EDUCATION

Technical University of Munich (TUM)
M.Sc. in Informatics (Computer Science)   *Oct. 2021 - present*
· GPA 1.3/1.0, ranking top 20%
Xi'an Jiaotong University (XJTU)
B.S. in Computer Science and Technology (Youth Program)   *Sep. 2014 - Jul. 2021*
· National Program for the Gifted Young (with admission rate of 4%)
· GPA 3.54/4.3, ranking top 25% out of 100
University of California, Berkeley (UCB)
International Study Program in Computer Science   *Jan. 2020 - May. 2020*
· GPA 4.0/4.0, ranking top 5% out of 1000
· Courses: Artificial Intelligence (A+), Database Systems(A), Structure and
Interpretation of Computer Programs (A+)

PUBLICATION

Hybrid Functional Maps for Crease-Aware Non-Isometric Shape Matching   ***CVPR 2024***
Lennart Bastian, **Yizheng Xie***, Nassir Navab, Zorah* Lähner
· A novel approach of hybridizing basis functions originating from different operators
· Resulting in hybrid functional maps for shape correspondence tasks
· Improving performance in near-isometric, non-isometric, and topologically noisy settings

SEMINAR

An Introductory Perspective on Functional Maps
3D Shape Matching and Applications in Computer Vision (TUM)   *Aug. 2023 - Sep. 2023*
· Aims to provide an intuitive understanding of functional map representation,
its significance, and its applications for non-rigid shape matching

COURSE PROJECTS

A Relational Database Management System (Java)   *Spring 2020*
· Implementation with Concurrency Control and Recovery
· Across semester projects, including B+ Tree, Joins and Query Optimization,
Multigranularity Locking and Write-ahead logging
The Pacman Projects (Python)   *Spring 2020*
· AI techniques underlining informed state-space search, probabilistic inference,
and reinforcement learning
· With additional projects such as BNs and HMMs Ghostbusters, simulated crawling
robot, digit classifier, RNN language identification and N-gram language model

TECHNICAL SKILLS

Languages: Java, Python, C++, C#, SQL, SystemVerilog
Libraries: Pytorch, Tensorflow and Keras, pandas, matplotlib, seaborn
Software: Adobe Premiere

SCHOLARSHIPS

Qiu Changrong Scholarship (XJTU)   *Dec. 2020*