


Xueqi Ma

Ph.D. student ◇ Shenzhen University
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Research Interests

I am interested in Computer Graphics, Computer Vision, and Generative Models, particularly in the processing of 3D point clouds and the structural reconstruction and generation of 3D models.

Publications

Generating 3D House Wireframes with Semantics

ECCV, 2024

Xueqi Ma, Yilin Liu, Wenjun Zhou, Ruowei Wang, Hui Huang.

Road Network Extraction of 3D Point Cloud Scene Based on L1-medial Extraction and Flexible Constraints

Journal of Computer-Aided Design and Computer Graphics

Xueqi Ma, Pengdi Huang, Hui Huang

Internship Experience

Visual Computing Research Center (VCC), Shenzhen University

Nov 2021 - Sept 2022

Working on 3D surface completion and reconstruction from point cloud;
Supervised by Prof. Hui Huang and Dr. Pengdi Huang

Work Experience

Isvision Technology Co., Ltd.

Jan 2020 - Nov 2021

Algorithm Engineer. Vision Algorithm Department;
Advised by Dr. Xu Chen and Dr. Weichang Feng

Education

Shenzhen University

Sept 2022 - Present

Ph.D. in Computer Science

Tianjin University

Sept 2017 - Jan 2020

M.sc. in Mechanical Engineering

Hebei University of Technology

Sept 2013 - Jun 2017

B.Sc. in Mechanical Engineering

Awards

- 2023 Academic Scholarship, Shenzhen University
- 2022 Academic Scholarship, Shenzhen University
- 2019 First-Class Academic Scholarship, Tianjin University.
- 2018 Second-Class Academic Scholarship, Tianjin University.

Professional Skills

- **Programming languages:** Python, Matlab, C/C++, Golang, Markdown, LATEX
- **Toolkits:** Pytorch, Git, CMake
- **Languages:** Mandarin (native), English (fluent)
- **Tools** Linux/Unix, Shell (Bash/Zsh), Blender, Adobe Illustrator