GENG LI

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EDUCATION

Shandong University China   **Shandong, China**

Bachelor of Electrical Engineering   2021-2025(expected)
- Overall GPA: 88.3

HONORS

- Towngas China Scholarship　(Top 5%)   2023
- Outstanding Student Scholarship, Silver Award (top 10%)   2023
- Specialty Scholarship, Silver Award   2013

RESEARCH INTERESTS

Robotics, 3D Vision, learning-based motion planning

PUBLICATIONS

[1] 2prnet: A point cloud registration method that can be applied to large rigid transformations
Geng Li, Zhe Min
Would be submitted to IROS 2024.

[2] Comparison of the SOTA models for liver point cloud registration
Hao Yu*, **Geng Li***, Mingyang Liu*, Zhe Min
Under writing

EXPERIENCE

SDSR lab   Shandong University
Research Intern
Advisors: **Prof. Zhe Min**   Jul. 2023 - Feb. 2024
- propose a more robust registration model, which is the first end-to-end model to achieve both rigid and non-rigid registration at same time
- Several methods of liver point cloud registration proposed by the lab recently were compared under the same data set, and the advantages were improved and optimized
- The point cloud data set containing the whole body organs is screened and the data set can be used for deep learning training is obtained

Logistics Handling Robot institution   University xxx
Core Member   Mar. 2023 - Aug. 2023
- An intelligent logistics handling robot is designed, which has the functions of color recognition, self-navigation and material transportation

SELECTED COURSES

Probability Theory (98)　　　　　Operational Research (97)　　　　Signal and System(95)
Principle of Single-chip Microcomputer (94)　　　Electronic technology（90）　Circuit（93）
Complex variation, field theory（94）　　　　　Data acquisition with Python crawler（95）…

* Represent graduate course

SKILLS

Programming: C/C++　　Python (Pytorch, OpenCv), LATEX, MATLAB

English: Duolingo: 110