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AREA OF INTEREST

Deep learning, Point cloud processing (registration and descriptors), Slam (Neural slam and traditional approach), Object detection, Feature matching, Sensor fusion, 3D rendering.

EDUCATION

2019 – present   **Northwestern Polytechnical University, XIAN**
Master of Science in Computer Science, advised by Prof. Yang JiaQi

2015 – 2019   **Zhejiang Normal University, Zhejiang**
Bachelor of Engineering in Software Engineering
Thesis: Behavioral clone self-driving car using deep learning

RESARCCH EXPERIENCE

2020 - *present*   **National Engineering Lab for Integrated Aero-Ground-Ocean Big Data Application Technology**

Graduate Research Student, advised by Prof. Yang JiaQi, XIAN, Shaanxi

- Developing robust and stable local shape descriptor for various case scenarios
- Investigating scale invariant properties for point cloud processing

AWARDS & SERVICE

Spring 2017   *1st*, Android Regional Competition, Zhejiang Normal University,
Serve as team group leader

Fall 2017   *2nd*, Web design Regional Competition, Zhejiang Normal University,
Serve as team group leader

OTHER EXPERIENCE

Fall 2019   **Android Developer,** TBA Tech, Shenzhen, China
Developed prototype web App for TBA tech product.

2018 – 2019   **Front-end Web Developer,** Samoa Shangguangji international Co., Ltd, Jinhua, China
Developed websites and mobile app to showcase video games

PUBLICATIONS

Preprint:

[1] Dual spin-image: A bi-directional spin-image variant using multi-scale radii for 3D local shape description [Paper]

SELECTED COURSEWORK

Graduate: Mathematical Statistics, Artificial Neural Network and Its Application, Computational Intelligence, Data Mining Techniques, Pattern Classification, High Performance Computing, Information Retrieval, Matrix Theory, Human Computer Interaction.

Undergraduate: Advanced Mathematics, Linear Algebra, C Programming Language, College Physics, Data Structure and Algorithm, Discrete Mathematics, Database Principal and Applications, Web Development Technology, Object Oriented Programming with Java, Computer Hardware, Software Development on Smart Device, Probability Statistics, Operating System.

PROGRAMMING SKILLS

Skill	Level	Skill	Level
C++	●●●●○	MATLAB	●●●○○
Python	●●●●●	JAVA	●●●○○
C	●●●○○	JavaScript	●●●●○

TECHNOLOGIES

Technology	Level	Technology	Level
PCL	●●●●○	LATEX	●●●●○
open3d	●●○○○	HTML/CSS	●●●●●
PyTorch	●●●●●	Angular	●●●●○
Keras	●●●○○	Android	●●●○○
ReactJS	●●○○○	Ionic	●●●○○

LANGUAGES

- French, (Native)
- English, (Fluent)
- Chinese, (Intermediate)

REFERENCES

- Prof. Yang JiaQi, NPU, (email: jqyang@nwup.edu.cn)
- Prof. Zhang Yanning, NPU (email: ynzhang@nwpu.edu.cn)