Zhuang Kang

Mathematics student

- 09 October 1999
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Skills

Image processing:

Machine learning:

Python:

Matlab:

English:Working Proficiency

Chinese Mandarin:Native

German driver license:

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

| 2021-2024 | M.Sc. University of Münster Mathematics | Münster |
| 2017-2021 | B.Sc. Sichuan University Mathematics and Applied Mathematics | Chengdu |

Awards

2021:Full-Grant scholarship of WWU Münster.

The 2 year scholarship is awarded to exceptionally talented students selected by the Masters Admission Committee. 3 students were selected from 24 applicants.

Experience

2023.4-2023.9 Tutor of Numerical Optimization

Responsible for giving the exercise course and correcting exercise sheets.

2019.9-2020.08 President of SCU Association Union

Manager of 12 associations in SCU Mathematical institute and responsible for their activity approval, financial management and year-end review.

Lectures

Lie groups 1,7
Machine Learning
Numerical optimization 1,0
Deep Neural Networks with PyTorch
Object oriented programming in C++
Building Deep learning Models with TensorFlow
Advanced Numerical Methods and Applications 1,0
Mathematical Image Processing and Inverse Problems
Introduction to Computer Vision and Image Processing

Research projects

2023.4-2023.09 Computed Tomography and Bregman method

Summarized recent development in Computed Tomography and executed the numerical experiments of several image reconstruction algorithms.

2022.9-2023.2 Manifold optimization and its application in image segmentation.

Applied Manifold optimization theory to enhance the Active Contour model for image segmentation.

about me

My homepage: https://proskahn.github.io/ZhuangKang.git.io