

MA, Jun

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EDUCATION

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| <ul style="list-style-type: none">• Rochester Institute of Technology (RIT)
Beijing Jiaotong University (BJTU)
B.Sci. (Hons.) in Management Information Systems
- GPA: 3.92/4.0 (92.8/100)
- Ranking: 1/109 (in Management Information Systems Major)
- English Proficiency: TOEFL: 94 | Rochester, NY, USA
Beijing, China
2021.09-2025.07 (expc.) |
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HONORS

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| <ul style="list-style-type: none">• National Scholarship (Highest Honor for Chinese Undergraduates, Top 0.2%)• First-Class Scholarship for Academic Excellence of Beijing Jiaotong University (Top 3%)• Second-Class Scholarship for Academic Excellence of Beijing Jiaotong University (Top 5%)• Merit Student• Excellent Student Cadre | 2024
2022, 2024
2023
2022-2024
2022 |
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PUBLICATIONS

- **Journal**
 - **J. Ma**, W. Cai, Y. Shan, Y. Xia, R. Zhang, "An Integrated Approach to Bearing Fault Diagnosis Compact Model Architecture through Knowledge Distillation," *IEEE Sensors Journal* (accepted)
- **Patent**
 - **J. Ma**, Y. Shan, Y. Xia, W. Cai, W. Huang, R. Zhang, "A Bearing Fault Diagnosis Framework Based on Knowledge Distillation Method," *Chinese Patent* No.2024100763463, 2024.
- **Conferences**
 - **J. Ma**, "A Study on a Hybrid CNN-RNN Model for Handwritten Recognition Based on Deep Learning," in *Proceedings of the 1st International Conference on Data Analysis and Machine Learning (DAML)*, 2023.

RESEARCH EXPERIENCE

- **Intelligent bearing fault diagnosis knowledge distillation model compression**, May. 2023 - June. 2024
 - **Advisor:** Prof. Runtong Zhang and Dr. Wei Cai
 - **Award:** National Award of College Student Innovation Project of Beijing Jiaotong University (Highest Honor)
 - Proposed a hybrid CNN model for bearing fault diagnosis with model compression via knowledge distillation using **TensorFlow**, and developed an Android maintenance app with **UniApp**, integrating the diagnosis algorithm.
- **Deep Learning Handwritten Text Recognition**, May. 2023 - Sept. 2023
 - **Advisor:** Prof. Shlomo Ta'asan
 - **Department:** Carnegie Mellon University, Department of Mathematical Sciences
 - Proposed a hybrid model of convolutional neural network and recurrent neural network for handwritten character recognition using the **PyTorch** framework.