Basic information

Name: Shi Zhuoyong

Gender: male

Birthday: February 16, 2001

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Graduation Date: April 1, 2025

Educational Background

| 2018.9-2022.6 | Xi'an Jiaotong University City College | Electronic Information | Bachelors |
| 2022.9-2025.4 | Northwestern Polytechnic University | Electronic Science and Technology | Master |

Academic Research

➢ [1] Zhang Anli,**Shi Zhuoyong**,Fan Mingbang,Huang Zhihao. Design of wireless motion sensor node monitoring system based on LabVIEW[J]. Foreign Electronic Measurement Technology,2022,41(01):81-86.
DOI:10.19652/j.cnki.femt.2103232.

➢ [2] Zhang Anli,Xie Lemon,**Shi Zhuoyong**. Design of intelligent elevator control system based on space occupancy determination[J]. Electronic Technology Applications,2021,47(07):57-60+129.
DOI:10.16157/j.issn.0258-7998.201037.

➢ [3] Xie Lemon,Zeng Zehui,Zhang Anli,**Shi Zhuoyong**. Intelligent WiFi cart control system design based on LabVIEW[J]. Automation & Instrumentation,2020,35(12):22-25.
DOI:10.19557/j.cnki.1001-9944.2020.12.005.

➢ [4]Zhang Anli, **Shi Zhuoyong***, Song Yafei. Airport Taxi Intelligent Decision System Based on LabVIEW[J]. Chinese Journal of Engineering Mathematics(Awaiting Publication)

➢ [5] **Shi Zhuoyong**, Zhang Jiandong, Wu Yong. UAV trajectory prediction based on flight state recognition[J]. IEEE Transactions on Aerospace and Electronic Systems(In Peer Review)

Competition Awards

➢ The 13th "Electrician's Cup" National Student Mathematical Modeling Competition, **Top Prize**

➢ The 12th National University Mathematics Competition, **First Prize**

➢ The 13th National University Mathematics Competition, **First Prize**

➢ 2021American Student Mathematical Modeling Competition, **Honorable Mention**

➢ The 2019 National Student Mathematical Modeling Competition in Shaanxi, **First Prize**

➢ The 2020 National Student Mathematical Modeling Competition in Shaanxi, **Second Prize**

➢ The 12th Higher Mathematics Competition for Students in Shaanxi Province, **First Prize**

Project Experience

➢ Shaanxi Province Key R&D Program - Key Technology Research on Multimodal Target Detection and Situation Estimation Based on Deep Learning   Participants   System testing   under research

➢ Shaanxi Provincial Bureau of Sports Research Regular Subjects – Design of a deep learning based table tennis movement skill recognition and evaluation system   First Participant   Programme design & programme implementation   under research

Campus Experiences

➢ 2020 Second Class Scholarship at School Level

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➢ 2021 Attended and spoke as an outstanding student representative at the University's Outstanding Student Recognition Ceremony

➢ 2021 as a student representative at the university-level mathematical modelling experience sharing conference

➢ Participated in the preparation of "MATLAB Programming and Applications" textbook

➢ Excellence Award of Shaanxi Regional Competition of 2020 "Creators China" SME Innovation and Entrepreneurship

➢ 2020 "Pingbo Cup" Table Tennis in Shaanxi Province, 4-th

➢ 2018 "Friendship Cup" Men's Singles Table Tennis at the school level, Champion

➢ 2019 "Sunshine Cup" Men's Singles Table Tennis at School Level, Champion

Skills

➢ Expertise in developing appropriate mathematical models and analysing specific problems

➢ Expertise in MATLAB programming and development in signal processing