

Jiixin Chen

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Github: <https://github.com/PlutoKirito>

EDUCATION

- Wuhan University** Whuhan, China
Bachelor of Remote Sensing Science and Technology; GPA: 3.66, CET4: 615 Sep 2023 - Sep 2024

HONORS AND AWARDS

- Won the second prize in the 16th “Huazhong Cup” University Student Mathematical Modeling Challenge in May 16, 2024.
- Third grade scholarship for Outstanding Students of Wuhan University.
- Won the third prize of The Chinese Mathematics Competitions in Hubei Province(Non-mathematical class A) in December, 2023.

ACADEMIC EXPERIENCE

- Quantitative remote sensing analysis(Modeling and Programming):** Leded a study on photovoltaic panel change detection and its influence by combining multi-source data and OGE(A platform like GEE). Based on the original Landsat series and Sentinel series surface reflectance data, and after reflectivity processing and atmospheric correction, a random forest method was used to quantitatively extract photovoltaic panels from Inner Mongolia Ordos City, the spatial and temporal data analysis algorithm is applied to clarify the spatial variation of photovoltaic panels (May - Sep, 2024).
- Mathematical Modeling (Modeling and Programming):** Developed a model that make contributions to the research on planar curve reconstruction based on distributed optical fiber sensor using interpolation method、Frenet-Serret Framework and Runge-Kutta method. (Huazhong Cup, Apr '18 - Apr '21, 2024). Implemented a method that achieve a balance between various factors and clothes washing (Shuwei Cup, Nov '16 - Nov '19, 2023). Completed kinematics analysis and collision detection research based on "bench dragon" path planning(CUMCM, Sep '5 - Sep '8, 2024).
- Basic training of remote sensing spatial information (Data Analysising and Leading):** Organized the work of digital ground mapping, remote sensing mapping, as well as remote sensing image collection, mapping control, surveying and mapping as a team leader. Especially taking a major role in spectral data's acquisition and analysising, and generation of low altitude remote sensing image (Jun '29 - July '12, 2024).

EXTRACURRICULAR ACTIVITIES

- ROBOCON WHU** Wuhan University
Member of the Electric Control Group August 2024 - Current
 - Bionic Foot Robot Control and Debugging:** Responsible for the motion control and gait algorithm of quadruped robot, and responsible for the debugging and testing of the written algorithm.
 - Core Robot Motion Control Debugging:** Responsible for the development of embedded software of the robot, controlling the movement behavior of the robot correctly.
- Social Practice** Wuhan University
Member of 2024 “Governance in China: Practice at county level ”、 “Three Rivers and Four Entities” Jul 2024 - Aug 2024
- Student Union** School of Remote Sensing and Info. Engineering
Head of the Secretariat Jul 2024 - Current
- RM Luoja Fox** Wuhan University
Member of the Visual Group May 2024 - Current