

JiaLin He

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EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Science
James Scholar Honors

Expected Graduation: May 2024
Champaign, IL
2021 Spring - 2022 Spring

EXPERIENCE & INVOLVEMENT

RoboMaster Competition in North America
Vision development group member

Champaign, IL
August 2022 - Present

- Worked with a team of three to improve AI recognition algorithm.
- Reviewed using Python for Machine Learning and trained machines with models.
- Achieved the third place in RoboMaster Competition 2022.

RADWEAR Research Project
Research Team Member

Champaign, IL
January 2023 – Present

- Assigned to the Data Collection group for collecting the research data from the participants.
- Upgraded the recording program for data acquisition using Python on Vizard 3.5.
- Enhanced the synchronization of devices such as EEG and EMG in hardware side.

Website Development Project
Website Designer

Champaign, IL
July 2021 - January 2021

- Established the Tech Department and launched the first official website.
- Participated in the implementation of the front-end website using React.

Network Architecture and Data Science Internship
Tech Group Member

Beijing, China
April 2021 - September 2021

- Explored and researched in topological properties and metrics of complex networks.
 - Programmed in Python for network virtualization and network community detection.
 - Designed and conducted analysis on large networks.
 - Published the paper on IEEE CPS and submitted for index in IEEE Xplore, EI compendex.
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AWARDS

RoboMaster 2022 University AI Challenge: Second Prize	2022
First Robotics Competition: Innovation in Control Award	2019
Computational and Algorithmic Thinking: Outstanding Award	2018

SKILLS

- Technical Skills: Java, Python, C++, C language, MATLAB, Unreal Engine.
- Mandarin (Native), English (Full Professional)