

JiaLin He

711 S Fourth Street Apt 606, Champaign, IL | 2179799896 | HeJialinBusiness@gmail.com

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 to improve AI algorithm for recognition and detection of objects.
- Developed the Python model for Machine Learning.
- Implemented Kalman Filter for better performance in tracking the moving robots.
- Achieved the third place in RoboMaster Competition 2022.

RADWEAR Research Project
Research Team Member

Champaign, IL
January 2023 – Present

- Collected the research data from the participants in Anxiety Detection Group.
- Upgraded the recording program for data acquisition using Python on Vizard 3.5.
- Enhanced the synchronization of devices such as EEG and EMG.

Tree House Academia Internships
Website Developer

Champaign, IL
July 2021 - January 2021

- Established the platform for our organization and launched the first official website.
- Participated in the application 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.
 - Published the paper on IEEE CPS and submitted for index in IEEE Xplore, EI compendex.
-

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)