

Jiaqi Wu

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"Uncertainty is a fundamental feature of human activity."

Summary

I am passionate with the field of computer science and mathematics in both academic research and industrial application. Interested in problem-solving method for challenging tasks, and passionate in learning new technologies and tools if the need arises. As Artificial Intelligence prosper in this era, I am doing research in this area as well as applying it to open source projects.

Skills

Programming Languages: Java, Python, HTML5/CSS, JavaScript, Bash

Tools: Git, MATLAB, Microsoft Word, Excel, PowerPoint

Project Experience

Inspirit AI Program

Remote

STUDENT RESEARCHER

June. 2021 - July. 2021

- Learnt Python programming language specifically in machine learning applications.
- Constructed a supervised model on predicting exoplanets and increasing the model's accuracy through different ML methods from scikit-learn library such as logistic regression, data augmentation, KNN and CNN.

Interactive Entertainment (Shanghai) Technology Co., Ltd

Remote

PART-TIME ASSISTANT, INDUSTRY RESEARCH ASSISTANT

Aug. 2022 - Sep. 2022

- Analyzed reports, brain maps, and UI interaction schematics.
- Learned the game and Internet industry, in-depth analysis of each position, core competencies, learning methods, teaching, and examples of thinking systems.
- Designed the copy level of the game, including the dynamic planning of the scene, and the rhythm of the experience mind flow, to ensure the performance effect of the copy level and the reasonableness of the numerical tendency while releasing the fun in the station.
- Wrote behavior trees for Non-Player Characters in the game to ensure that the NPCs maintain a good performance and combat experience in the levels and gameplay.

Honors & Awards

2019 **Honorable Mention**, MATHCON 2019 Finals in Chicago

Chicago, U.S.A

2022 **Certificate of Distinction**, American Mathematics Competition 12

remote, U.S.A

2023 **Valedictorian**, Pioneer Academy Graduation Ceremony

New Jersey, U.S.A

Education

University of California-San Diego

La Jolla, California

B.S. IN MATHEMATICS - COMPUTER SCIENCE

Sep. 2023 - May. 2027

- GPA: 4.0/4.0
- Major Coursework: Calculus 1-4, Linear Algebra, OOP in Java, Basic Data Structures

Extracurricular Activity

Piotech Robotic Team

Wayne, NJ

CORE PROGRAMMER IN ROBOTIC VISION

Oct. 2019 - Mar. 2023

- achieved object detection using OpenCV
- aided the mechanical team to collaboratively win Rookie Inspiration Award in the regional First Robotic Competition in 2022