JIAQI WU

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EDUCATION

University of California—San Diego | La Jolla, CA
B.S. in Mathematics—Computer Science | Graduation expected June 2026

- GPA: 3.95/4.0. Major Coursework: Calculus 1-5, Linear Algebra and Numerical Analysis, Advanced Data Structure, Recommender Sys & Data Mining, Computer Graphics

Pioneer Academy | Wayne, NJ
- Valedictorian | Graduated 2023

American Mathematics Competition (AMC 12) | Certificate of Distinction | 2022

MATHCON 2019 Finals | Honorable Mention | Chicago, 2019

SKILLS

Languages: Python, Java, C/C++, HTML5/CSS, JavaScript

Tools: Git, MATLAB, Microsoft Word/Excel/PowerPoint, Adobe InDesign

RELEVANT EXPERIENCES

Agential | La Jolla, CA
Researcher | Apr. 2024 – July 2024

- Designed the AI agent structure for LLM and tested its performance across different benchmarks. Added zero-shot and few-shots examples and prompts for agents implemented by different methods. Documented different methods for AI agents in an open-source library.

UCSD Chinese Students & Scholars Association | La Jolla, CA
Full Stack App Developer | July 2024 – Oct. 2024
- Designed and implemented a mobile application for the Chinese Students and Scholars Association at UCSD. Used Javascript framework Node.js to handle data transmitted between clients and servers, and store the database in Tencent Cloud.

Robotic Vision Piotech Robotic Team | Wayne, NJ
Computer Programmer | Oct. 2019 – Mar. 2023
- Aided the mechanical team to collaboratively win Rookie Inspiration Award in the regional First Robotic Competition in 2022. Achieved object detection using OpenCV in Java.

Interactive Entertainment Technology Co., Ltd | Shanghai
Industry Research Assistant | Aug. 2022 – Sep. 2022

- Analyzed industry reports, conceptual brain maps, and UI interaction schematics. Designed in-game levels, including dynamic scene planning and experience rhythm flow, ensuring both numerical balance and engaging gameplay.

Inspirit AI | Remote
Student Researcher | June 2021 – July 2021

- Acquired hands-on Python programming experience, focusing on machine learning applications. Built a supervised machine learning model to predict exoplanets, enhancing accuracy using techniques like logistic regression, data augmentation, KNN, and CNN with the skLearn library.