Yinan Dong

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Personal Website: https://pppucbuc.github.io/

ACADEMIC HISTORY

Shanghai Jiao Tong University, Shanghai, China   expected graduation in August,2026
    Major: **Mechanical Engineering**
    Type of degree: Bachelor of Engineering

University of Michigan   expected graduation in May,2026
    Major: **Data Science**
    Type of degree: Bachelor of Engineering

EMPLOYMENT HISTORY

UM-SJTU Joint Institute Innovation Center   *Student Assistant*
September,2023 – August,2024

Teach students to use 3d printer, electric circular saw, and other equipment.

Shanghai Jiaotong University Student Innovation Center   *Student Assistant*
November,2023 – August,2024

HONORS & AWARDS

Second Place of SJTU "Liming Cup" Mechanical Competition   May 2023 awarded
SJTU 2022-2023 Undergraduate Excellent Scholarship   November 2023 awarded
Tournament Champion, Skills Champion, and Excellence Award   February 2024 awarded
of 2023-2024 VEX Robotics Asia Open Finals
Inspire Award of 2024 VEX Robotics World Championship   May 2024 awarded
Tournament Champion, Skills Champion, and Design Award   August 2024 awarded
of 7th China University Intelligent Robot Creative Competition (VEX Specialization)

EXTRACURRICULAR ACTIVITIES

Shanghai Jiao Tong University VEX Robotics Team   *Member, November*,2023 – August,2024
Design, fabricate, and assemble the mechanical structure of robots
Write and debug the code for manual and autonomous control of robots

SKILLS

Programming Languages: Python, C, C++, HTML, CSS, JavaScript
CAD Software: SolidWorks
Code Development: Arduino IDE, VEXcode, VS Code
Data Analysis and Visualization: Origin, Matlab
Embedded Systems: Raspberry Pi, Arduino
Automatic Control and Sensor: Camera Recognition, Encoder Wheel, PID, Gyroscope, Ultrasonic Sensor
Other Experience: Github, Latex, Git, NPM, Hexo, Hugo
Fabrication and Manufacturing Tools: 3D Printer, Laser Cutting Machine, Waterjet Cutting Machine, Lathe, Milling Machine, Press Brake, Electric Saw
Mechanical Experience: Pneumatic Components, Belt Drive Systems, Gears, Linkage System, Coil Spring, Transformable Components, Sheet Metal Parts, Milled Parts