

# Dong Yinan

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## ACADEMIC HISTORY

<b>Shanghai Jiao Tong University</b> , Shanghai, China	expected graduation in August,2026
Major: <b>Mechanical Engineering</b>	
Type of degree:Bachelor of Engineering	
<b>University of Michigan</b>	expected graduation in May,2026
Major: <b>Data Science</b>	
Type of degree:Bachelor of Engineering	

## EMPLOYMENT HISTORY

<b>UM-SJTU Joint Institute Innovation Center</b>	<i>Student Assistant</i>
	September,2023 – August,2024
Teach students to use 3d printer, electric circular saw, and other equipment.	
<b>Shanghai Jiaotong University Student Innovation Center</b>	<i>Student Assistant</i>
	November,2023 – August,2024

## HONORS & AWARDS

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

## EXTRACURRICULAR ACTIVITIES

<b>Shanghai Jiao Tong University VEX Robotics Team</b>	<i>Member, November,2023 – August,2024</i>
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++  
**CAD Software:** SolidWorks  
**Code Development:** Arduino IDE, VEXcode, VS Code, Matlab  
**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  
**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