

EDUCATION PROFILE

University of Michigan, Ann Arbor	Aug 2025 - Present
<ul style="list-style-type: none"> Master of Science in Information, major in Data Analysis, with GPA 4.000/4.000 	
Shanghai Jiao Tong University - Global College Institute	Sept 2022 - Present
<ul style="list-style-type: none"> Major in Electrical and Computer Engineering and Minor in Computer Science, with GPA 3.641/4.000 	
Cornell University	Jan - May 2025
<ul style="list-style-type: none"> Exchange program at College of Engineering, with GPA 3.850/4.000 	

WORK & LEADERSHIP EXPERIENCE

OpenAGI Research Foundation, Inc.	Jan - Aug 2025
<ul style="list-style-type: none"> Contributed to <i>Lux</i>, achieving state-of-the-art performance on Online-Mind2Web (83.6), outperforming Google Gemini CUA (69.0), OpenAI Operator (61.3), and Anthropic Claude Sonnet 4 (61.0). Built Python-based tooling to capture user operations and applied computer-vision methods to reproduce end-to-end workflows for training and evaluation. Generated operation datasets on OSWorld for terminal and Office tasks, improving data diversity. 	
Salesforce, Inc.	Aug - Dec 2025
<ul style="list-style-type: none"> Completed 10 user interviews and collected 100+ survey responses on AI tool usage for privacy analysis. Visualized usage patterns in Tableau and identified potential privacy risks from data signals and user feedback. Proposed multiple ideas to strengthen user data protection. 	
Shanghai Baosight Software Co., Ltd.	Aug - Sep 2024
<ul style="list-style-type: none"> Built short-term metro passenger-flow surge prediction models and achieved 86% accuracy in predicting crowd surges to support operational planning. Analyzed station-level passenger flow data, engineered time-series features, trained binary classifiers, and iterated with ROC/AUC-driven validation. 	

ACADEMIC BACKGROUND

OSGym: Super-Scalable Distributed Data Engine for Generalizable Computer Agents	Jan - Dec 2025
<ul style="list-style-type: none"> Developed deep learning-based intelligent agent models and trained AI agents to perform simple operational tasks using reinforcement learning algorithms. Built a data generation engine to produce high-quality datasets for model training. 	
Online judge platform development	Jan 2024 - Present
<ul style="list-style-type: none"> Designed and implemented an evaluation environment based on Go programming language. Used containerization technology to isolate user code execution processes and ensure the stability of the run-time environment. Developed a Prometheus-based logging and monitoring module to track platform runtime status in real-time, improving system maintainability and troubleshooting efficiency. 	
Surgical Video Tool Segmentation & Evaluation with SAM2	Jul 2024 - Oct 2025
<ul style="list-style-type: none"> Performed instance segmentation of surgical instruments in videos using the SAM2 model, supporting medical tool tracking for surgical assistance systems. Evaluated segmentation performance using mIoU and Dice coefficients, and analyzed model robustness across complex surgical scenarios. Optimized automatic prompt generation strategies to improve automation and stability of segmentation in challenging cases. Co-authored the paper: <i>Systematic Evaluation and Guidelines for Segment Anything Model in Surgical Video Analysis</i>. arXiv:2501.00525. Accepted by <i>npj Digital Surgery</i> (Nature Portfolio), Oct 2025. 	

Database tool development

Dec 2024

- Developed basic functionalities for database tool
- Added multi-threading, improving efficiency by 3 times.

Service System Modeling and Design

May 2025

- Modeling and analyzing service systems for ambulance services in NYC.

TECHNOLOGIES

- **Programming Languages:** Python, R, C/C++, Go, Matlab, SQL, Elm, SAS, HTML/CSS, JavaScript, Bash
- **Working Space:** Linux, Git, Docker, Latex, Vim, Shell, AWS, Tableau, PowerBI

CAMPUS ACTIVITIES

Teaching Assistant in SJTU - Global College

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|--|-----------------|
| • ECE4820J <i>Operating Systems</i> Course | Sept - Dec 2025 |
| • ECE2810J <i>Data Structures and Algorithms</i> Course | Sept - Dec 2024 |
| • ENGR1000J <i>Introduction to Engineering</i> Course | May - Aug 2024 |
| • ENGR1510J <i>Introduction to Computers and Programming</i> Course | Sept - Dec 2023 |
| • Design projects, hold weekly labs and recitation classes, grade assignments and exams. | |

Technical Department of Student Union in SJTU - Global College

Sept 2022 - Present

President and Annual Excellent Volunteer

- Organize and host multiple workshops , with topics including Git, Bash, LaTeX, Vim, VSCode, etc.
- Maintain the SJTU - Global College's dance party mini-program.

HONORS AND SCHOLARSHIPS

- Nov 2025: *First Place in A2 Data Dive: Campaign Finance Transparency in Michigan.*
- May 2025: *Basic SAS(Statistics Analysis System) Certification.*
- Nov 2024: *Scholarship for Student Development.*
- Oct 2024: *Merit Student of SJTU.*
- July 2024: *Third Prize in the China-U.S. Young Maker Competition.*
- May 2024: *Software Copyright Registration by the National Copyright Administration of China.*
- Dec 2023: *Basic Teaching Assistant Certificate.*
- July 2023: *Annual Excellent Volunteer in UM-SJTU JI Student Union.*
- June 2023: *Best Game Design Award in ENGR1000J of UM-SJTU JI.*
- May 2023: *Honorable Mention in the Mathematical Contest in Modeling organized by COMAP.*