

## EDUCATION PROFILE

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

## WORK & LEADERSHIP EXPERIENCE

<b>OpenAGI Research Foundation, Inc.</b>	<b>Jan - Aug 2025</b>
<ul style="list-style-type: none"> <li>Contributed to <i>Lux</i>, achieving state-of-the-art performance on Online-Mind2Web (<b>83.6</b>), outperforming Google Gemini CUA (69.0), OpenAI Operator (61.3), and Anthropic Claude Sonnet 4 (61.0).</li> <li>Built Python-based tooling to capture user operations and applied computer-vision methods to reproduce end-to-end workflows for training and evaluation.</li> <li>Generated operation datasets on OSWorld for terminal and Office tasks, improving data diversity.</li> <li>Paper: <i>OSGym: Super-Scalable Distributed Data Engine for Generalizable Computer Agents</i> (arXiv:2511.11672).</li> </ul>	
<b>Salesforce, Inc.</b>	<b>Aug - Dec 2025</b>
<ul style="list-style-type: none"> <li>Completed <b>10</b> user interviews and collected <b>100+</b> survey responses on AI tool usage for privacy analysis.</li> <li>Visualized usage patterns in Tableau and identified potential privacy risks from data signals and user feedback.</li> </ul>	
<b>Shanghai Baosight Software Co., Ltd.</b>	<b>Aug - Sep 2024</b>
<ul style="list-style-type: none"> <li>Built short-term metro passenger-flow surge prediction models and achieved <b>86%</b> accuracy in predicting crowd surges to support operational planning.</li> <li>Analyzed station-level passenger flow data, engineered time-series features, trained binary classifiers, and iterated with ROC/AUC-driven validation.</li> </ul>	

## ACADEMIC BACKGROUND

<b>Online judge platform development</b>	<b>Jan 2024 - Present</b>
<ul style="list-style-type: none"> <li>Designed and implemented an evaluation environment based on Go programming language.</li> <li>Sandboxed user code with containers to protect runtime stability.</li> <li>Developed a Prometheus-based logging and monitoring module to track platform runtime status in real-time, improving system maintainability and troubleshooting efficiency.</li> </ul>	
<b>Surgical Video Tool Segmentation &amp; Evaluation with SAM2</b>	<b>Jul 2024 – Oct 2025</b>
<ul style="list-style-type: none"> <li>Performed instance segmentation of surgical instruments in videos using SAM2.</li> <li>Evaluated segmentation performance using mIoU and Dice coefficients, and analyzed model robustness across complex surgical scenarios.</li> <li>Improved automation and stability by optimizing prompt generation for SAM2 in difficult cases.</li> <li>Paper: <i>Systematic Evaluation and Guidelines for Segment Anything Model in Surgical Video Analysis</i> Accepted by <i>npj Digital Surgery</i> (Nature Portfolio), Oct 2025. (arXiv:2501.00525)</li> </ul>	

## SKILLS, ACTIVITIES & INTERESTS

- Languages:** Fluent in English; Conversational in Mandarin.
- Technical Skills:** Python, R, C/C++, Go, MATLAB, SQL, SAS, HTML/CSS, JavaScript, Bash, Linux, Git, Docker,  $\LaTeX$ , AWS, Tableau, PowerBI
- Certifications:** Basic SAS Certification; Basic Teaching Assistant Certificate.
- Activities:** Teaching Assistant at SJTU Global College (2023–2025); President of Technical Dept. in Student Union (Sept 2022–2025) — hosted workshops (Git, Bash,  $\LaTeX$ , Vim, VSCode)
- Honors:** 1st Place A2 Data Dive (Nov 2025); Merit Student (Oct 2024); Scholarships (Nov 2024)