

Amy Liu

amyliiu.com | linkedin.com/in/amyliiu

EDUCATION

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| University of Michigan GPA: 4.0/4.0 <i>Bachelor of Science in Computer Science & Robotics</i> Relevant Coursework: Discrete Mathematics, Data Structures and Algorithms, Intro to Computer Organization | Ann Arbor, MI Aug. 2024 – May 2028 |
| Michigan State University GPA: 4.0/4.0 <i>Dual Enrollment</i> Relevant Coursework: Linear Algebra, Differential Equations, Multivariable Calculus | East Lansing, MI Aug. 2023 – May 2024 |
| Okemos High School GPA: 4.0/4.0 <i>High School Diploma</i> | Okemos, MI Aug. 2020 – May 2024 |

EXPERIENCE

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| Wang Laboratory Intern <i>University of Michigan</i> <ul style="list-style-type: none">Collecting datasets to be used for expert-level Large Language Model benchmarking with Prof. Lu Wang. | Jan. 2025 – Present Ann Arbor, MI |
| Product Studio Engineer <i>V1@Michigan</i> <ul style="list-style-type: none">One of 14/150+ students chosen for V1's Product Studio Program, an initiative to build impactful software products for the community.Worked with facility managers to develop <i>courtline</i>, a queuing app for the North Campus Recreational Building. Successfully piloted the product and ran 8 games with 30+ sign-ups. Used Python, Next.js, FastAPI, and Twilio for notifications. | Sep. 2024 – Dec. 2024 Ann Arbor, MI |
| Tang Laboratory Intern <i>Michigan State University</i> <ul style="list-style-type: none">Conducted AI research with Prof. Jiliang Tang on detecting text generated by Large Language Models.Designed and collected a comprehensive public dataset <i>HC-Var</i> (Human ChatGPT Texts with Variety) with 140,000+ samples of AI and human-generated texts for future research.Trained 10+ machine learning models for text detection in different tasks and domains. | Oct. 2023 – Mar. 2024 East Lansing, MI |
| Computer Science Club <i>Okemos High School</i> <ul style="list-style-type: none">Organized first ACSL competition in high school with 10+ participants. More than half qualified to Nationals.Inaugurated the CS Seminar Series and invited 5 guest speakers to present their research for high school students. More than doubled membership to 20+ during my term as president. | Sep. 2020 – Apr. 2024 Okemos, MI |

PUBLICATIONS

- On the Generalization of Training-based ChatGPT Detection Methods**
Han Xu, Jie Ren, Pengfei He, Shenglai Zeng, Yingqian Cui, Amy Liu, Hui Liu, Jiliang Tang. In *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP 2024)*.

PROJECTS

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| AutoCase <i>React, TypeScript, Vite, Node.js, Puppeteer, Cheerio</i> <ul style="list-style-type: none">Developing a web scraper to collect affirmative and negative arguments from openCaselist with team names from Tabroom. Will be used in high school policy debate teams, with 10+ students and coaches interested in MVP. | Dec. 2024 – Present |
| RecallRadar <i>Python, Flask, React</i> <ul style="list-style-type: none">Used the FDA's Recall API to develop an email notification system to update users of ongoing or resolved food recalls in their area. | Sep. 2024 |

SKILLS

Technical: Java, Python, C++, experience in convolutional neural networks and machine learning, Latex documents
Languages: English (fluent), Mandarin (fluent), Spanish (elementary proficiency)
Interests: Reading, baking, travel, mahjong, crochet, skateboarding, violin