

Jackson Clark

PUBLICATIONS

- Clark, J., Y. Su, S. M. R. Pial, L. Gnedziejko, and T. Xu (2026). “SREGym: A Live Training Ground for AI SRE Agents with High-Fidelity Failure Drills”. In: *Conference on AI Systems (CAIS), Demo Track*.
- Clark*, J., Y. Su*, S. M. R. Pial, Y. Tian, L. Gnedziejko, H.-A. Jacobsen, Y. Chen, and T. Xu (May 2026). “SREGym: A Live Benchmark for AI SRE Agents with High-Fidelity Failure Scenarios”. In: *arXiv:2605.07161*. Supported by a Laude Institute Slingshot Grant. arXiv: 2605.07161.
- Chen*, Y., J. Pan*, J. Clark*, Y. Su*, N. Zheutlin, B. Bhavya, R. Arora, Y. Deng, S. Jha, and T. Xu (2025). “STRATUS: A Multi-agent System for Autonomous Reliability Engineering of Modern Clouds”. In: *Advances in Neural Information Processing Systems (NeurIPS)*. Accepted. arXiv: 2506.02009 [cs.DC].
- Jha*, S., R. Arora*, Y. Watanabe, T. Yanagawa, Y. Chen, J. Clark, et al. (2025). “ITBench: Evaluating AI Agents across Diverse Real-World IT Automation Tasks”. In: *Proceedings of the 42nd International Conference on Machine Learning (ICML)*. Oral Presentation (Top 1%). arXiv: 2502.05352 [cs.AI].

AWARDS

- **Laude Institute Slingshot Grant for SREGym** 2025

EXPERIENCE

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|---|--|
| <p>Microsoft Research
Research Intern, Agentic Innovation</p> <ul style="list-style-type: none"> – Making agents more reliable. | <p>Redmond, WA (Onsite, Full-Time)
Summer 2026</p> |
| <p>University of Illinois Urbana-Champaign
Graduate Research Assistant, xLab</p> <ul style="list-style-type: none"> – Building the AI for production stack. – Leading SREGym, a live benchmark for AI SRE agents with high-fidelity failure scenarios, supported by a Laude Institute Slingshot Grant (2025). – Co-authored STRATUS (NeurIPS 2025) and ITBench (ICML 2025, Oral, Top 1%); lead maintainer of AIOpsLab (800+ GitHub stars). | <p>Urbana, IL (Onsite, Full-Time)
Fall 2024 – Present</p> |
| <p>NASA Marshall Space Flight Center
Software Engineer Intern, Huntsville Operations Support Center (HOSC)</p> <ul style="list-style-type: none"> – Developed a forward error correction library in C++ based on CCSDS standards (BCH, LDPC, and convolutional codes) for NASA’s GPDM mission. – Contributed to software automation tools supporting flight controllers. | <p>Huntsville, AL (Onsite, Full-Time)
Summer 2023</p> |
| <p>NASA Ames Research Center
Research Intern, Intelligent Systems Division</p> <ul style="list-style-type: none"> – Led reinforcement learning research for multi-agent pathfinding (MAPF) in urban air traffic management, leveraging Python, PyTorch, TensorFlow, and Docker on a supercomputing cluster. | <p>Mountain View, CA (Remote, Full-Time)
Summer 2023</p> |
| <p>NASA Goddard Space Flight Center
Software Engineer and Data Science Intern, HEASARC</p> <ul style="list-style-type: none"> – Spring Project: Trained ML models (scikit-learn, TensorFlow) to classify neutron star spectra using NICER payload data. – Fall Project: Redesigned SkyView, a React + Flask data catalog system for querying astrophysics datasets by sky position. | <p>Greenbelt, MD (Remote, Part-Time)
Fall 2022 – Spring 2023</p> |
| <p>NASA Marshall Space Flight Center
Software Engineer Intern, Payload Operations Integration Center</p> | <p>Huntsville, AL (Onsite, Full-Time)
Summer 2022</p> |

- Designed an automation tool for ISS flight controllers to streamline timeline change processes.

Freelance

Software Engineer

Remote, Illinois

Sept 2020 – Sept 2023

- Earned over \$60,000 on Upwork developing cross-platform apps using Electron.js, React, and Express; managed full client lifecycle from proposal to delivery.

RoboThink

Software Engineer

Remote, Illinois

June 2018 – Sept 2020

- Lead developer for RoboThink's educational tools built with Electron.js and React.

INVITED TALKS

- **SREGym** Spring 2026
Microsoft Research, System Intelligence Seminar.
- **STRATUS** March 17, 2026
University of Toronto, ECE1770. Hosted by Yifang Tian and Hans-Arno Jacobsen.

EDUCATION

University of Illinois Urbana-Champaign

Ph.D. Computer Science

Urbana, IL

Fall, 2024–Present

University of Illinois Urbana-Champaign

B.S. in Information Sciences + Data Science, GPA: 3.82/4.00

Urbana, IL

2020–Spring, 2024

TEACHING

- **Instructor** at Discovery Partner's Institute Summer 2024, Summer 2025, Summer 2026
Designed and taught a 2 week Data Science Intensive program to educate Chicago Public School teachers to create their own data science lessons for their classrooms.
- **Course Assistant** at UIUC Spring 2023 - Spring 2024
Data Science Discovery (CS 107)