Sitian (Tiffany) Wang

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EDUCATION

Massachusetts Institute of Technology (MIT)   Cambridge, MA

Bachelor of Engineering in Artificial Intelligence, Bachelor of Science in Mathematics   *Sep 2022 – May 2026*

- GPA: 5.0/5.0
- Relevant coursework: Linear Algebra; Differential Equations; Probability; Statistics; Data Analysis; Programming; Algorithms; Machine Learning; NLP; Inference in AI; Real Analysis

PROFESSIONAL EXPERIENCE

Tencent   Shanghai, China

Software Research Intern   *June 2024 – Aug 2024*

- Conducted visual testing of existing text and image manipulation models (e.g. SRNet, MOSTEL) and analyzed quantitative results in image difference
- Optimized supervised networks (MOSTEL and DiffUTE) for identifying image and text manipulation, trained algorithms that complete various tasks of manipulation detection

Amber Group – Financial Services   Virtual

Incubation Team Intern   *June 2024 – Aug 2024*

- Designed models in Python that extract daily stock prices and trends from websites
- Developed and analyzed RSS feeds from news websites to generate weekly financial reports for customers

MIT Department of EECS   Cambridge, MA

Undergraduate Researcher   *Sep 2023 – May 2024*

- Worked under the mentorship of Dr. Vince Monardo to design and analyze data-driven methods for solving inverse problems in image reconstruction tasks and joint signal inference problems
- Built optimization functions in Python and implemented dictionary indexing to finalize signal context
- Trained on downloaded dataset with proposed parameters and drew conclusions based on testing results

MIT Department of EECS   Cambridge, MA

Machine Learning Lab Assistant   *Sep 2023 – Dec 2023*

- Worked on independent projects predicting US housing prices using regression models, experimented with neural network models and layers in analyzing and denoising MNIST dataset
- Tutored students on projects and assignments during lab sections and office hours, worked through debugging and drafting assignments for preparation

MIT Media Lab   Cambridge, MA

Undergraduate Research Assistant   *Sep 2022 – May 2023*

- Worked as paid undergraduate research under Prof. Richard Eberhardt in the Participatory Simulations Lab
- Built game website and platform in Javascript, conducted testing of software and game design, created digital prototype in React using codebase for managing user accounts, document work for future use

ACTIVITIES & PROJECTS

Jane Street   New York, NY

Insight Program Participant – Trading Track   *Jan 2023*

- Developed quantitative skills on probability, trading strategies, game theory, and optimal decision-making through week-long educational lectures, group games, discussions with mentors, and mock trading sessions

Massachusetts Institute of Technology   Cambridge, MA

MIT Asian Dance Team (ADT) Director of Marketing and Choreographer   *Sep 2022 – Present*

- Design Facebook event banners for showcase, workshops, and auditions; run and organize ADT photoshoot; create showcase poster, promo video, and apparel designs
- Organize dance workshops and choreograph dance pieces for semester showcase

OTHERS

- **Programming Skills**: C++ (basic), Java (basic), Python (proficient), Javascript (basic), R (intermediate)
- **Other skills**: Microsoft Suite, Adobe Creative Cloud, Procreate, Canva, Machine Learning, NLP
- **Languages**: English (bilingual), Mandarin (bilingual), French (conversational), Spanish (conversational)
- **Activities**: American Regions Mathematics League (ARML) Lehigh Valley Math Team Member 2019-2022