

# Zijian (Michael) Wang

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## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA

Aug 2025 – Dec 2026 (expected)

*Master of Science in Statistics (ISyE)*

GPA: N/A

**Relevant Courses:** Nonparametric Data Analytics, Optimization, Experimental Design, Statistical Models, Regression Analysis

**Emory University**, Atlanta, GA

Aug 2021 – May 2025

*Bachelor of Science in Quantitative Sciences, Data Science Track*

GPA: 3.975/4.00 with High Honor

**Relevant Courses:** Machine Learning & ML Theory, Causal Inference, AI, Database, NLP, Advanced Statistical Approaches

**Awards:** Dean's Lists, High Honor Graduate, "DataFest" Hackathon Best Visualization Award, Phi Eta Sigma Honor Society

## WORK EXPERIENCE

**Guangdong Gauz Engineering Consulting Co., Ltd**

Hybrid, Guangzhou, China

*AI Engineering Agent Development Intern*

Apr 2025 – Aug 2025

- Developed in full stack GenAI MCP-based agents to automate construction-site reporting and inspection records better
- Implemented retrieval-augmented generation (RAG) workflows for template document and long document generation
- Designed 5+ AI products (systems and interfaces) for 10+ clients to help maximize their efficiency in document preparation

**Science for Georgia**

Atlanta, GA

*Data Science & Capstone Research Intern*

Sep 2023 – May 2024

- Reassessed quantitatively environmental risks across counties (50+) in Georgia with time series and data analysis
- Used GIS tool to geographically visualize and publicize existing issues and suggested solutions on [webpage](#)
- Applied skills of data retrieval, time-series prediction and data visualizations dealing with environmental harsh challenges

**Flite**

Remote

*Data Science Part-time Intern*

Feb 2024 – May 2024

- Developed data science solutions in using machine learning model to predict ticket selling and company income

**Tianjin Bincheng Institute of Digital Ecology Research**

Tianjin, China

*Data Analytics and Statistics Intern*

May 2023 – Jun 2023

- Composed an analytical report titled *Economic Development of Beijing Xicheng District* with visualizations
- Researched approaches (weighted average & ML) to quantify *Index of National Companies Development*

**Tianjin Qinglong Construction and Installation Engineering Co., Ltd**

Abu Dhabi, UAE

*Project Data Assistant Intern*

May 2022 – Jul 2022

- Developed a [website](#) with R Shiny to more conveniently organize financial documents and data

## RESEARCH & TA EXPERIENCES

**Emory University**

Atlanta, GA

*Thesis: "Minimax NTK in Estimating Average Treatment Effect Confounded by Image Covariate"*

Sep 2024 – Apr 2025

- Designed a two-step Neural Tangent Kernel Mini-Max estimator for causal effect estimation under image confounding
- Justified the effectiveness of this approach on medical imaging data and high-dimensional visual covariates

*Research Assistant (Statistics) of Dr. David Hirshberg*

Jun 2024 – Aug 2024

- Edited parts of the [Appendix](#) of justifications about the Bias of the Synthetic Control Estimator

*Teaching Assistant of QTM 285 & QTM 220*

Aug 2024 – May 2025

## PROJECTS

1) "Pixel to Person: Garment Transfer with UNet Segmentation" [Link to report](#)

Aug 2024

2) "How Misogynistic is Rap? Lyrical and Comparative Analysis of Misogyny in Rap Music" [Link to report](#)

Dec 2023

3) "Warriors Report: Discussion on Warriors in Season 22-23" [Link to report](#)

Apr 2023

\*More projects can be found in [portfolio](#)

## SKILLS

- Programming: Python, Java, R, JavaScript, HTML, SQL, Excel, C, Full Stack Development, AI agent system
- Analytical: Statistical Analysis, Natural Language Processing (NLP), Causal Inference, Data Visualization, Machine Learning (ML)
- Language: Mandarin (fluent), English (fluent), Arabic (basic)