Xinyi Zhou

Atlanta, GA (Open to relocation) | 470-650-1013 | imxinyiz@gmail.com
ritzzzz2021.github.io/about

EDUCATION

Georgia Institute of Technology   Atlanta, United States
M.S. in Computer Science   GPA: 3.87   *Aug. 2024 – May 2026 (Expected)*

Zhejiang University   Hangzhou, China
B.Eng. in Computer Science   GPA: 3.89   *Sept. 2020 – June 2024*

TECHNICAL SKILLS

- **Languages**: Python, C++, Go, JavaScript, CSS, HTML, C#, Java

- **Frameworks**: Flask, Django, PyTorch, Gin, React.js, Vue.js, D3.js

- **Tools**: Git, Docker, Cloud Services (AWS, Azure, GCP), Databases (MySQL, MongoDB, Redis)

- **Knowledge**: Distributed System, Linux, Machine Learning, Full-Stack Development, Parallel Computing

EXPERIENCE

Meituan   Shanghai, China
Software Engineer Intern - Infrastructure Team   *May 2025 – Present*

- **Overview**: Contributed to a distributed NoSQL table storage system optimized for high-throughput, non-relational structured data, supporting large-value entries for use cases such as advertising and recommendation.

Momenta   Shanghai, China
System R&D Intern   *Mar. 2024 – May 2024*

- **Overview**: Worked on system readiness evaluation for autonomous driving software, developing internal tools to support data collection, processing, and analysis.
- Implemented new features for an internal data pipeline platform using **Flask** and **Vue.js**.
- Automated data annotation and processing pipeline, improving efficiency by **2x** compared to manual workflows.
- Designed and implemented a data filtering module to identify abnormal braking behavior in real-world driving environments, achieving **98%** recall and **83%** precision, successfully integrating it into the system.

University of Pennsylvania   Remote
Undergraduate Research Assistant   *Aug. 2023 – May 2024*

- Synthesized head avatars with generative textures and 3DMM head templates.
- Accelerated 3D-aware image synthesis with gaussian splatting, achieving real-time rendering.

PROJECTS

Cloud Storage Application

- Built a cloud storage platform with RESTful APIs using Gin, supporting user registration/login with JWT-based authentication, and session management via Redis.
- Implemented file upload/download/deletion with MySQL metadata storage and categorization, and enabled secure file sharing through access-controlled links.

Music Controller

- Built a full-stack web app using Django REST Framework and React.js with Material UI, enabling dynamic UI, client-side routing, and seamless backend-frontend interaction.
- Integrated Spotify API for authentication and playback control, implemented room-based session management and collaborative features like vote-based song skipping.