Yu Liu

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EDUCATION

University of Rochester   **Rochester, New York**
Bachelor of Science in Computer Science and Business   *Anticipated May 2027*
Current GPA: 3.86
Coursework: Computer Organization, Deep Learning, Mobile App Development, Computer Model&Limitation

CS PROJECTS

Smart-Dress AI Application   **Rochester, New York**
University of Rochester   *January 2025 – April 2025*
- Led a three-person team in developing an AI-powered outfit recommendation app integrating real-time weather data (Open Weather API) and calendar events (Google Calendar API).
- Built backend services with Python, Flask and SQLite; created frontend in Kotlin using Jetpack Compose; utilized Cloudinary for efficient storage. Implemented TensorFlow Lite MobileNet to provide personalized, offline outfit suggestions through advanced cosine similarity computations.
- Employed Git for version control to coordinate collaborative development efforts efficiently.
- Conducted structured user research involving 12 participants, performed comprehensive data analysis to enhance app features, and delivered a professional demo accompanied by an extensive report.

Campus Sustainability Web development   **Rochester, New York**
University of Rochester, Brandeis University   *October 2024 – April 2025*
- Collaborated with four Brandeis Fashion Society members to propose and secure $2,000 funding for "Sustainable Fashion Brandeis," promoting sustainable fashion practices.
- Developed "green-fashion.org," a platform for secondhand trade between university students leveraging WordPress with WooCommerce, Dokan, and Yoast plugins, enhanced with custom front-end optimizations using HTML5 and CSS to improve UI functionality; implemented a private messaging interface to facilitate user interactions.
- Selected as the final project platform for a sociology course at Brandeis University, with over 30 users actively participating in sustainable fashion practices, resulting in significant social impact.

INTERN EXPERIENCE

Yun Jianjian Ltd. (deep integration with Detao Education)   **Shanghai, China**
Frontend Engineer Intern   *May 2025 – July 2025*
- Collaborate with two engineers, develop two large-scale applications using React Native & TypeScript.
- Authored and standardized API documentation with Apifox; reduce developer onboard time by ~30%.
- Aligned PostgreSQL schema design with backend engineers to ensure reliable data exchange.
- Designed and implemented a reusable component library, integrating JWT authentication and WebSocket-based notifications, cutting redundant code by ~25% and accelerating feature delivery.
- Streamlined delivery by converting design mockups into production-ready UI components and maintaining efficient Git workflows.

Arena Space   **Shanghai, China**
Executive Assistant Intern   *May 2024 – August 2024*
- Managed and executed four large-scale commercial events for home furnishing brands, collaborating with over 30 designers per event, overseeing venue logistics, and developing detailed schedules.
- Facilitated "China Top Design List" collaboration with Hurun Report, independently organized a three-day awards ceremony for 40+ participants, achieving 20% savings on accommodations and transportation through strategic negotiations.

SKILLS

- **Languages:** Mandarin (Native), English (Proficient)
- **Technical Skills:** Python, Java, C, Kotlin, HTML, CSS, SQL, WordPress, LaTeX, Git,

Interests: <u>Liuqin</u> (Passed with Merit Level 10 (highest level), Earn 3 gold National medals), <u>Visual arts</u> (recreate the comic book *War* based on Luigi Pirandello's short story), <u>Electronic Guitar</u> (Engage in two bands at University of Rochester perform monthly)