Yueyuan “Curt” Li

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EDUCATION

New York University — New York, NY
B.S., Applied Mathematics — Sep 2024–May 2025
B.A., Computer & Data Science (Joint Major) — Sep 2025–Present
Coursework: Computer Systems Organization, Principles of Data Science, Data Structures & Algorithms, Linear Algebra
Activities: Applied Math Club, Machine Learning Club

EXPERIENCE

Research Assistant — Hunan University — Beijing, China · Jun 2023–May 2024

- Investigated Mobility as a Service (MaaS) for Beijing public transit; increased survey data accuracy by 25% through refined instrument design and Python ETL.
- Analyzed 1,000+ commuter responses with Python (pandas, NumPy), identifying a 60% preference for integrated multimodal options.
- Built simulation scripts projecting a 15% reduction in travel time under optimized MaaS integration.

PROJECTS

Somnosense — AI Sleep-Tracking Prototype (In Testing) — Group Project — New York, NY · 2025–Present

- Implemented an end-to-end pipeline (ingestion → cleaning → feature engineering → model training) for sleep-stage/quality classification.
- Benchmarked logistic regression and random forest models with cross-validation; tracked precision/recall, F1, and calibration.
- Built a lightweight dashboard for nightly summaries (sleep score, consistency trends) and authored a PDR with milestones and risk mitigation.

MaaS Adoption — Demand-Side Behavior & Promotion (Research) — Academic Research — Beijing & Shanghai · 2023–2024

- Developed an intervention-change framework combining BCW (COM-B) and UTAUT constructs; collected and cleaned 475 survey responses.
- Estimated structural equation models; reliability/validity supported (KMO 0.961; CR>0.86; AVE>0.50) and good fit (CFI≈0.92; RMSEA≈0.058).
- Findings: attitude-based motivation is the strongest predictor of intention; communication/guidance policies most effectively shift attitudes.
- Delivered promotion levers (targeted publicity, feature optimization, incentives) to increase usage and green-travel outcomes.

Class Schedule Planner — NYU Data Visualization VIP — New York, NY · Spring 2025

- Built a Python tool that generates a clean, grid-based weekly timetable from user inputs, handling overlaps and multiple views.
- Conducted user tests with NYU students; improved clarity and entry time for schedule planning.

SKILLS

Programming: Python, Java, R, C, MATLAB, SQL
Libraries/Tools: pandas, NumPy, scikit-learn, Matplotlib, Jupyter, GitHub
Concepts: Data Analysis, Backend Development, Statistical Modeling
Languages: Mandarin (Native), English (Fluent)