

Kuan-Cheng Lee

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EDUCATION

University of Massachusetts Amherst Expected December 2025
Master of Science in Data Analytics and Computational Social Science

Amherst, Massachusetts/United States

- **Relevant Courses:** Basic knowledge relate to **R**, Introduction to **Python for Data Science**, **Machine Learning** in Data Analysis, **Survey Design** and Analysis, **Data Analysis** and Visualization
- **GPA:** 3.9/4.0

Arizona State University December 2023
Bachelor of Science in Computer Science Tempe, Arizona/United States

- **Relevant Courses:** Basic knowledge for **linear regression**, **Statistical Inference**, and **Confidence Intervals**, Introduces DBMS concepts. Data models and languages by using **SQL**, Create webpage by using different **API** and basic knowledge about **C#**, Database Management, Basic Machine Learning skill by using **Google Colab**
- **Honors:** Dean's List Fall 2023

WORK EXPERIENCE

TA-I Technology Co., Ltd. | Operations Assistant June 2025 - August 2025

- Conducted detailed **quality inspections** across 10 production lines and 72 machines, ensuring all products met manufacturing and safety standards.
- Utilized **Excel** to record and analyze production data, identifying defect patterns and improving reporting accuracy.
- Collaborated with supervisors and production staff to streamline quality **control procedures**, enhancing workflow efficiency across the department.

PROJECTS

University Students' Knowledge and Ethical Concerns about Generative AI January 2025 - May 2025
Amherst, Massachusetts/United States

- **Research Question:** How are university students' self-reported knowledge and ethical concerns about generative AI influenced by their frequency of AI use and their academic field of study?
- Designed and tested four statistical models to explore how **AI usage habits**, **academic background**, and **individual traits shape students' understanding** and **ethical views of AI**.
- **Key Finding:** Students in **social sciences** and **humanities** expressed higher concern levels than those in technical majors.

Perception of AI Decision-Making January 2025 - May 2025
Amherst, Massachusetts/United States

- Conducted an experimental survey ($n = 279$) on how people trust AI in **high- vs. low-risk tasks**.
- Performed independent-samples **t-tests** to compare trust scores across **six** experimental groups.
- Found that participants **preferred AI-human collaboration**, trusting humans more in high-risk contexts and AI more in low-risk ones.

SKILLS

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- **Technical Proficiencies:** R (RStudio), Python (scikit-learn, TensorFlow, PyTorch), SQL (MySQL), Git/GitHub, Google Colab, Linux, Shell