# Jiamu Tang

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github.com/itsChanism/Jiamu-Tang-Chan-

## Education

**University Of Rochester** Expected May 2026
*Bachelor of Science in Data Science (minor in CS and Philosophy) (GPA: 3.94 / 4.00)* *Rochester, NY*

- **Relevant Coursework:** Data Structures and Algorithms, Deep Learning, Introducion to AI, IntroductionIntroduction to Statistical Machine learning, Data Mining, Natural language processing, Database System, Tools for Data Science, Discrete Mathematics, Linear Algebra with Differential Equation, Probability, Applied Statistics, Human-Computer Interaction, Web programming, Semantic analysis, Figma, Accounting, Philosophy of Artificial Intelligent
- **Certification:** Digital Product Management: Modern Fundamentals
- **Languages:** Python, Java, SQL, MySQL R, HTML, CSS, JavaScript, Figma, Arduino, Unity, Processing

## Experience

**BEAR Lab, University of Rochester** Jan 2025 – present
*Research Assistant* *Rochester, NY*

- Develop and deploy four interactive VR scenes using **HTC Vive** and **Meta Quest** between different Unity environments for a study on avatar affordance and user guidance.
- Collaborated closely with lab members to conduct user studies, interviews, and qualitative analysis.
- Co-developed final video presentation and research slides using **Figma.**

**University of Rochester HCI Lab** May 2024 – June 2024
*Volunteer* *Rochester, NY*

- Developed the front-end platform for user studies using React for a better user interface and experience.
- Designed and conducted surveys on Amazon Mechanical Turk (MTurk) to gather data for ongoing HCI research.

**University of Rochester Medical Center Lab** Sep 2023 – present
*Research Assistant* *Rochester, NY*

- Conduct research on public perception and attitude toward E-cigarettes and their Flavors or Brands on Twitter through Natural Language Processing and Machine Learning Algorithm.
- Utilized Python (NLTK, NumPy, Pandas) for raw data processing.
- Implemented and fine-tuned the RoBERTa model for sentiment analysis, and improved model accuracy to over **85%**.
- Utilized LDA for topic modeling and Face++ for gender and age classification.

**MiraclePlus** May 2023 – Sep 2023
*Investment Assistant* *Remote*

- AI Startup Identification and Engagement for incubation. Crafted a Python script utilizing requests for web scraping, targeting websites listing AI startups, and extracting key profile and contact information.
- Engineered an automated email system using Python's smtplib library.

**Local Business Analysis Project for Living Merchants from Alibaba** June 2023 – Sep 2023
*Project manager* *Rochester,NY*

- Utilized SQL for data querying and extraction from Alibaba's merchant databases and developed a Pandas-based data metrics system to track and evaluate key business performance indicators
- Using Matplotlib and Seaborn to identify anomalies in GMV across different periods and store categories.
- Implemented time-series analysis Long Short Term Memories(LSTM) and regression models to identify trends and sales decline patterns in GMV.
- Developed data-driven strategic recommendations, including promotional campaigns and operational changes, to enhance GMV to Alibaba's executive team using visual presentations.

## Projects

**SICSS 2023 Summer Research** | *Python*, *TensorFlow*, *Keras*, *Scikit-learn*, *Pandas*, *NLTK*, *Gensim*, *Tweepy* 2023 June

- Analyze suicide-related hashtags on Twitter among Generation Z.

github.com/itsChanism/SICSS2023-social.media.mental.health

**Sales Forecasting Project Using LSTM Neural Networks with Prof.Alex Iosevich** | *Python*, *TensorFlow/Keras*, *Pandas*, *Matplotlib*202

- Developed a time series forecasting model using LSTM neural networks to predict sales trends, with a rolling-forecast strategy, and evaluation through RMSE, enhancing inventory management and financial planning.

github.com/itsChanism/Sales.Forecasting.Project.Using.LSTM.Neural.Networks

## Paper and Publication

**[C.1]** Jiamu Tang, Runyan Tian, and Zhuying Li. (2025). **Dreamory: AI-Powered Bedtime Storytelling for Emotional Reframing Before In-Sleep Memory Consolidation**. In *Extended Abstracts of the 2025 CHI Conference on Human Factors in Computing Systems (CHI '25)*, Late-Breaking Work. ACM, April 30, 2025, Yokohama, Japan.