

Jack Le

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Education

The University of Texas at Dallas, Richardson, TX

Aug 2022 – May 2025

Bachelor of Science in **Computer Science**, Minors in Mathematics & Asian Studies

3.96/4.0 GPA

- **Awards:** Collegium V Honors Program, National Merit Scholar, Dean's List (Fall 2022 – Spring 2023)

Experience

AI Research Fellow – Relativity

Sept 2024 – Present

- Leading a project to assess and quantify biases in frontier AI models by analyzing the collection and analysis of text, photo, and audio evidence in the U.S. justice system.

Natural Language Processing Intern – Data Glacier

Jul 2024 – Present

- Working on multilingual NLP projects, developing models with high accuracy across diverse languages.

Undergraduate Researcher – University of Texas at Dallas

Jan 2024 – Present

- Engaging in computer vision research under Dr. Daescu, enhancing model precision by integrating image processing techniques.
- Executed an extensive literature review in sentiment analysis, identifying key trends and methodologies in ongoing research.

Research Intern – University of Texas at Dallas

Jun 2024 – Aug 2024

- Collaborated with Dr. Hsu to leverage Large Language Models and machine learning in Materials Science experiments.
- Focused on applications such as image segmentation and Bayesian inference to address complex problems in materials science.

Research Information Systems Worker – University of Texas at Dallas Office of Research

Jun 2024 – Present

- Provide research support, including documentation, installations, troubleshooting, and equipment setup for research labs.

AI/ML Fellow – Cornell University

May 2024 – Present

- Contributed towards 12-month long program including Machine Learning Certificate with Cornell faculty, experiential learning experiences, and mentorship from industry professionals.

Undergraduate Teaching Assistant – University of Texas at Dallas

Sept 2023 – May 2024

- Facilitated weekly lab sessions for 200+ students in introductory computer science courses, improving student performance through dedicated office hours and interactive teaching methods.
- Efficiently grade assignments for 100+ students across two courses, ensuring timely feedback in academic standards.

Student Researcher – University of Texas at Dallas

Sept 2023 – Dec 2023

- Collaborated to develop sentiment analysis models using NLTK, accurately classifying 90% of movie review sentiments.
- Presented research findings to a panel of university academics and industry professionals.

Skills

Relevant Coursework: Data Structures and Algorithms, Probability & Statistics, Computer Architecture, UNIX Systems Programming

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Dart, Typescript

Certifications and Training: AI Fundamentals, Introduction to Artificial Intelligence (CS50 AI)

Tools and Frameworks: Django, Flask, TensorFlow, Google Colab, Git/GitHub, Flutter, Firebase, UNIX Shell, React, React Native, NLTK

Projects

CulturePot | Flutter, Firebase, Dart

Feb 2024 – April 2024

- Drove a team of four to develop a comprehensive social media application using Flutter, Dart, and Firebase.
- Streamlined project development through weekly strategy meetings, enhancing team efficiency and product functionality.

Greater Dallas Youth Orchestra Communication App | React Native

Jan 2024 – May 2024

- Working with a nonprofit to create a mobile application for communicating with students and displaying/creating events.
- Building a UI for updating/creating events on a calendar view using React Native.

Road Sign Detection AI | TensorFlow, Python, OpenCV

Nov 2023

- Developed a robust AI system capable of detecting and recognizing 42 types of traffic signs in photographs.
- Designed and fine-tuned the neural network architecture to achieve over 95% accuracy in sign identification.

Activities

Society of Asian Scientists and Engineers, Secretary and Marketing Chair

Jan 2023 - Present

UT Dallas Artificial Intelligence Society, Officer

Oct 2022 – May 2023

- Helped to organize and run HackAI, an AI-themed student-run hackathon to maximize the experience of over 300 participants.