

Jack Le

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Education	University of Texas at Dallas , Richardson, TX, United States Bachelor of Science in Computer Science with Honours Minors: Mathematics and Asian Studies GPA: overall 3.964/4.0; CS-only 3.98/4.0	August 2022-Present Graduation: May 2026
Presentations	<i>Evaluating Large Language Models in Scientific Research: Practical Applications and Challenges</i> . UT Dallas Summer Platform for Undergraduate Students, 2024. <i>Coding Semantics: Sentiment Analysis for Movie Reviews</i> . [Co-presented]. Association for Computing Machinery UT Dallas Research Conference, 2023.	
Research Experience	AI Research Fellow with Relativity USA Fall 2024 - Present Worked on <i>Evaluating Frontier Models for Bias and Representation</i> project. <ul style="list-style-type: none">Leading a project to systematically assess and quantify biases in frontier AI models, focusing on the analysis of text, photo, and audio evidence within the U.S. justice system.Collaborating with a team of applied scientists to develop evaluation metrics that measure the harmful impact of biases in large language models, particularly within legal contexts.Implementing Python-based tools to identify and quantify errors in AI models, resulting in a 30Conducting comprehensive testing of AI models to uncover systematic biases, with findings exceeding the accuracy and depth of existing bias detection methodologies by 15Presenting actionable insights to stakeholders, aimed at mitigating the impact of biases in AI applications within the justice system. Undergraduate Researcher with Dr. Ovidiu Daescu Spring 2024 - Present Worked on <i>Computer Vision and Feature Selection</i> project. <ul style="list-style-type: none">Innovating new metrics and methods for feature extraction and selection to enhance model precision in computer vision research under Dr. Daescu.Conducting an extensive literature review in sentiment analysis, identifying emerging trends and methodologies to inform ongoing research efforts. Research Intern with Hsu Lab Summer 2024 Worked on <i>Machine Learning Applications in Materials Science</i> project. <ul style="list-style-type: none">Collaborated with Dr. Hsu to apply Large Language Models (LLMs) and machine learning techniques to complex Materials Science experiments.Focused on applications such as image segmentation and Bayesian inference, addressing intricate challenges in materials science research. Student Researcher with Dr. Doug DeGroot Fall 2023 Worked on <i>Coding Semantics: Sentiment Analysis in Movie Reviews</i> project. <ul style="list-style-type: none">Collaborated with a team and academic advisor to determine the direction of an open-ended sentiment analysis project, leading to the development of models using BERT and XGBoost.Developed sentiment analysis models that accurately classified 90 percent of movie review sentiments, showcasing the effectiveness of the chosen methodologies.Presented research findings to a panel of university academics and industry professionals, receiving positive feedback for the project's innovative approach.	
Industry Experience	Data Glacier Natural Language Processing Intern <ul style="list-style-type: none">Working on multilingual NLP projects, developing models with high accuracy across diverse languages.	July 2024-Present

Teaching Experience	UTD CS 2336 Computer Science II, <i>Grader</i>	Spring 2024
	UTD CS 1337 Computer Science I, <i>Teaching Assistant</i>	Spring 2024
	UTD CS 1334 Programming Fundamentals for Non-Majors, <i>Teaching Assistant</i>	Fall 2023
	GARLAND ISD Various Math Courses, <i>Substitute Teacher</i>	Fall 2023-Present
	ICODE SCHOOL Introduction to Web Development, <i>Technical Lead</i>	Fall 2023-Spring 2024
Other Experience	Ai4All, <i>Incoming Machine Learning Fellow</i>	Sept 2024-Present
	Headstarter AI, <i>Software Engineering Fellow</i>	Jul 2024-Present
	UT Dallas Office of Research, <i>Research Information Systems Worker</i>	Jun 2024-Present
	Break Through Tech AI, <i>AI/ML Fellow</i>	May 2024-Present
	ACM UTD, <i>Back-end Developer</i>	Feb 2024-Apr 2024
	UTDesign, <i>Frontend Software Developer</i>	Jan 2024-May 2024
	Walters Kluwer Tax and Accounting, <i>Extern</i>	Mar 2023
Awards	2024 Undergraduate Research Apprenticeship Fellowship Award (URAP) - \$4,500	
	2024 Leland Dillaha MSEE '97 Undergraduate Scholarship – \$1,000	
	2022 National Merit Scholarship UT Dallas – \$3,000	
Community Involvement	UT Design, <i>Code Review Volunteer</i>	Summer 2024
	UTD Society of Asian Scientists and Engineers, <i>Secretary and Chair</i>	January 2023-August 2024
	UTD Artificial Intelligence Society, <i>Officer</i>	October 2022-May 2023
References	Dr. Ovidiu Daescu	
	Computer Science Department Head at UT Dallas, Email: daescu@utdallas.edu, Tel: (972) 883-4196.	
	Dr. Julia Hsu	
	Professor of Materials Science at UT Dallas, Email: jwhsu@utdallas.edu, Tel: (972) 883-5789.	
	Dr. Partha De	
	Assistant Professor of Computer Science at UT Dallas, Email: pxd141430@utdallas.edu, Tel: (972) 883-4239.	