

Pattaraphon Kenny Wongchamcharoen

CONTACT INFORMATION	2117 Haste Street Berkeley, CA 94704	+1 (510) 703 6076 pattaraphon.kenny@berkeley.edu
EDUCATION	University of California, Berkeley <i>Tau Beta Pi</i> B.S. Industrial Engineering & Operations Research (IEOR) Minoring in Data Science & Mathematics GPA: 3.97	May 2027
AREAS OF INTEREST	Methods: Operations Research; Applied Machine Learning; Online Field Experiments; Large Language Models Simulation; Applied Econometrics; Game Theory Applications: Human-AI Augmentation; Revenue Management & Marketplace Design; Transportation and Supply Chain Analytics; Computational Social Science	
PUBLICATIONS	<ul style="list-style-type: none">[1] Do Large Language Models (LLMs) Understand Chronology? Wongchamcharoen, P. K., & Glasserman, P. <i>AAAI 2026</i> (forthcoming) Oral – Student Abstract & Poster Program (Top 11%) Poster – <i>AI4TS: AI for Time Series Analysis (AAAI 2026 Workshop)</i> [arXiv] [code]	
OTHER RESEARCH	<ul style="list-style-type: none">[1] Data-Driven Evaluation of Board of Directors Effectiveness Wongchamcharoen, P. K., Stringer, C., Hwang, B., Liu, I., & Li, K. <i>Best Data Visualization, Berkeley CDSS Data Discovery Symposium 2025</i> [poster][2] Mixed-Integer Linear Program for Options Pricing and Portfolio Optimization Bin Abdulla, Q. M., Wongchamcharoen, P. K., Jamari, A., & Lee, J. <i>1st Runner-up, Wells Fargo & IEOR Bay Area Decision Sciences Summit 2025</i> [poster] [code]	
CONTRIBUTIONS AS RESEARCH ASSISTANT	<ul style="list-style-type: none">[1] Calyber: A Ridesharing Game [under major revision] Shen, Y., Yan, C., & Yan, J. <i>Runner-up, 2025 INFORMS Case Competition</i> [press]	
WORKS IN PROGRESS	<ul style="list-style-type: none">[1] Mechanism Design and Revenue Optimization of Uber’s <i>Destination Filter</i> Mode <i>Working paper (in preparation) with Chiwei Yan</i>[2] LLM simulation to benchmark human-AI task augmentation <i>Working paper (in preparation) with Abhishek Nagaraj</i>	
HONORS AND AWARDS	Best Data Visualization, UC Berkeley CDSS Data Discovery Symposium (2025) 1st Runner-up, Wells Fargo & IEOR Bay Area Decision Sciences Summit (2025) Cal Alumni Leadership Award Finalist (2024) Dean’s List for Berkeley Engineering (2023-2025) ASEAN Scholarship (2018)	

RESEARCH EXPERIENCE	UC Berkeley Industrial Engineering & Operations Research Berkeley, CA <i>Research Assistant</i> Research Advisor: Chiwei Yan Jan 2024 – Present
	UC Berkeley Haas School of Business Berkeley, CA <i>Research Assistant (Data Innovation and AI Lab)</i> Research Advisor: Abhishek Nagaraj Jan 2024 – Present
	Columbia Business School, Decisions, Risks and Operations New York, NY <i>Visiting Research Fellow</i> Research Advisor: Paul Glasserman Jun 2025 – Aug 2025
	UC Berkeley School of Law Berkeley, CA <i>Student Researcher</i> Research Advisor: Frank Partnoy Jan 2025 – May 2025
	UC Berkeley Haas School of Business Berkeley, CA <i>Research Assistant</i> Research Advisor: David Evan Harris Aug 2023 – Jan 2024
PROFESSIONAL EXPERIENCE	Beats by Dre Culver City, CA <i>Data Analytics Extern</i> June 2024 – Aug 2024
	Xcube Capital Singapore, Singapore <i>Product Development & Analytics Intern</i> May 2024 – Aug 2024
	MENTOR Global Consultants Berkeley, CA <i>Technical Product Management Intern</i> Jan 2024 – Apr 2024
	GUESS, Inc. San Francisco, CA <i>Strategy Contract Consultant</i> Aug 2023 – Dec 2023
INVITED PRESENTATIONS	<i>Do LLMs Understand Chronology?</i> 2026 IISE Annual Conference, Arlington, TX (May 2026) Yale Undergraduate Research Conference (YURC), New Haven, CT (Feb 2026) AAAI 2026, Singapore, Singapore (Jan 2026)
	<i>Chrono-Logical? Assessing Temporal Reasoning in LLMs: An Empirical Lens</i> Columbia Business School Summer Research Seminar, New York, NY (July 2025)
	<i>Board Effectiveness: Examining Skills Matrices of Public Company Directors</i> 2025 Berkeley CDSS Data Discovery Symposium, Berkeley, CA (May 2025)
	<i>Mixed-Integer Linear Program for Options Pricing and Portfolio Optimization</i> 2025 UC Berkeley IEOR Community Celebration & Alumni Achievement Ceremony, Berkeley, CA (Apr 2025)
TEACHING EXPERIENCE	Tutor, Center of Access for Engineering Excellence (CAEE), UC Berkeley MATH 1A (Calculus I); MATH 1B (Calculus II); MATH 53 (Calculus III); MATH 54 (Linear Algebra & Differential Equations); CS 61A (The Structure and Interpretation of Computer Programs); IEOR 160 (Non-linear and Discrete Optimization); IEOR 162 (Linear Programming & Network Flows) (Fall 2025) [<i>tutor page</i>]
	Lecturer, FoML: Foundations of Machine Learning (Berkeley GLOBE) (Fall 2025) [<i>course website</i>]

	<p>Reader, IEOR 142A: Introduction to Machine Learning & Data Analytics Undergraduate (Fall 2025)</p> <p>Reader, IEOR 172: Probability & Risk Analysis for Engineers Undergraduate (Spring 2025)</p> <p>Reader, IEOR 120: Principles of Engineering Economics Undergraduate (Fall 2024)</p> <p>Tutor, CS C88C: Computational Structures in Data Science Undergraduate (Fall 2024) [<i>course website</i>]</p>
GRANTS AWARDED	<p>Columbia Business School Summer Research Internship Grant (June 2025), \$7500</p>
SERVICE AND LEADERSHIP	<p>Institute of Industrial & Systems Engineers at Berkeley Senior Advisor Fall 2025 – Present Director of Programs and Events Fall 2023 – Spring 2024</p> <p>Singapore Students Association at Berkeley Vice President of External Relations Spring 2024 – Fall 2024</p>
TECHNICAL SKILLS	<p>Python (NumPy, Pandas, Matplotlib, scikit-learn, Pyomo, TensorFlow); Java; SQL; Apache Spark; LLM APIs (OpenAI, Anthropic, Google Gemini); HuggingFace; L^AT_EX</p>
LANGUAGES	<p>English (Fluent); Thai (Native); Mandarin Chinese (Elementary)</p>