

PATTARAPHON (KENNY) WONGCHAMCHAROEN

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EDUCATION & SCHOLARSHIPS

University of California, Berkeley - College of Engineering

B.S. Industrial Engineering & Operations Research and Data Science

May 2026

GPA: 3.97

Relevant Coursework: Principles & Techniques of Data Science, Computational Structures & Data Structures, Linear Algebra & Differential Equations, Multivariable Calculus, Principles of Engineering Economics, Probability & Risk Analysis, Optimization

SKILLS & AWARDS

Technical Skills: Python, Java, SQL, MATLAB, HTML, Pandas, NumPy, Matplotlib, Seaborn, NLTK, Linear Programming

Tools: Power BI, DaVinci Resolve, CRM (Jira, Asana, Notion), CVX, Adobe, Microsoft Suite, Google Suite, Canva, Figma

Awards: Free-ride Scholarship for a 4-year high school in Singapore, by the Ministry of Education with a 1% acceptance rate.

EXPERIENCE

Xcube.co | Incoming Data Analyst Intern

Singapore | June 2024 – Present

- Work directly with the CEO to develop a data-driven deal-sourcing framework to conceptualize a portfolio of startups
- Utilize advanced predictive analytics and Monte Carlo simulations in a proprietary machine learning model to predict startups' potential returns and inform strategic investment decisions

UC Berkeley Haas School of Business | AI & Ethics Research Assistant

Berkeley, CA | February 2024 – Present

- Consulted and refined emerging AI policies such as the White House's Executive Order on the "Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence" under Berkeley professor David Evan Harris
- Leveraged advanced coding schemas to annotate sources, interviews and analyze data to gain deeper insights into Open-source AI whitepaper and compare international AI laws

MENTOR Global Consultant | Technical Product Management Intern

Berkeley, CA | January 2024 - April 2024

- Integrated AI with a 360-degree insight tool and developed a go-to-market strategy to monetize it, resulting in a 30% increase in data accuracy and a 20% reduction in processing time
- Utilize Python scripting and NLTK (Natural Language Toolkit) to perform sentiment analysis on over 1,000 employee survey responses, and generate personalized reports with radar charts based on them.
- Create SMTP (Simple Mail Transfer Protocol) using Python's smtplib and schedule library to automate email reminders, resulting in a 90% increase in survey completion rate

GUESS INC. | Strategy Consultant

San Francisco, CA | August 2023 – December 2023

- Conducted in-depth research on key competitors and formulated actionable recommendations to expand GUESS's market share in the eco-conscious fashion industry by 10%
- Collaborated with a team of consultants to identify environmentally friendly packaging materials that align with GUESS's ESG objectives, while preserving the brand's signature style
- Evaluated the cost-effectiveness of potential suppliers, assessing their operations and sustainability practices to achieve 20% operational efficiency gains

PROJECTS

Stock Market Exploratory Data Analysis | [GitHub](#)

- Applied advanced data analysis and utilized Pandas to extract financial data of Bank of America, CitiGroup, Goldman Sachs, JPMorgan, Morgan Stanley, and Wells Fargo from Google Finance API
- Analyzed and classified stocks based on riskiness through financial metrics such as moving averages using Seaborn's and Matplotlib clustermap to visualize correlations between different stocks
- Crafted a financial analysis report that unveils insights and events including market crashes and stock splits

Stock Prediction Model using Long Short-Term Memory, Linear Regression, and Sentiment Analysis | [GitHub](#)

- Employed LSTM and linear regression to predict stock prices using data from Yahoo! Finance, with 85% accuracy
- Conducted sentiment analysis on Elon Musk's tweets to gain insights on their influences on TSLA prices
- Created a Streamlit dashboard to visualize stock prices, integrating prediction results for comprehensive insights

LEADERSHIP AND EXTRACURRICULARS

Institute of Industrial & System Engineers | Director of Programs & Events

Berkeley, CA | August 2023 – Present

- Coordinated 35+ events for 150+ attendees, boosting member engagement by 55%, fostering growth
- Managed cross-functional team to plan weekly events, fostering 250+ student and faculty relationships
- Coordinated budget of \$14,000+ with VP of Finance to fund events, distribute money, and optimize cost