

THANACHOT(BOND) CHAIPRASIT

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EDUCATION

University of California, Berkeley

Expected Graduation: May 2024

Major: B.A Data Science, B.A Economics

Cumulative GPA: 3.6

Relevant Coursework: Data Structures, Structure & Interpretation of Computer Programs, Principles & Techniques of Data Science, Linear Algebra & Differential Equations, Asset & Portfolio Pricing, Data Mining, Econometrics, Probability for Data Science

PROFESSIONAL EXPERIENCE

Data Science & Engineering Intern | Pathloom

Oct 2023 – Present

- Extracted data from Rec.gov through API calls and web scraping techniques, employing BeautifulSoup to parse HTML data
- Developed a route optimization and suggestion tool using geospatial data, enhancing user experience in nature explorations
- Designed an effective data model to fit organization requirements and deployed a robust data warehousing solution on AWS

Data Science Consultant | The Nature Conservancy

Jan 2022 – Dec 2022

- Implemented a logistic regression model in Scikit-learn to predict water rights application approvals; achieved 0.87 F1 Score
- Created dynamic visualizations using Plotly and Seaborn to analyze the trends of water diversion quantity and magnitude
- Built an equity module for nature-based solutions, leveraging census data to explore access disparities in population cohorts

Data Analyst Intern | Nexlabs (Ecommerce Department)

Dec 2020 - Feb 2021

- Conducted a competitive analysis of the eCommerce market by analyzing web traffic, pricing models, and services offered
- Revamped the company website using UI/UX strategies and A/B Testing, increasing web views by 25% and CVR by 14%
- Debugged HTML code to assist clients with operational difficulties within Bagisto, an open-source eCommerce platform

Contract Data Scientist | Medic

Aug 2021 - Dec 2021

- Designed a shippable toolkit of 6 interactive maps using PostgreSQL and GeoPandas for 35k+ healthcare workers in Malawi
- Employed a linear regression model to quantitatively rank tasks by priority, currently used to optimize resource allocation
- Engineered new features from geographical and time data, increased data dimensionality and model performance by 22%

Undergraduate Data Researcher | UC Berkeley

Aug 2021 - Dec 2021

- Performed time series analysis to explore trends in literacy program churn rates, geographical reach, and engagement rate
- Designed a data aggregation tool for 8 datasets using Google Sheet functions, automating the generation of quarterly reports
- Presented actionable insights on environmental education and programs to the San Mateo County Office of Education

PROJECTS

Mean Reversion Trading Bot

Dec 2023 – Present

- Developed a mean reversion trading bot by incorporating twitter sentiment, market regimes, and key financial indicators
- Leveraged an NLP model to classify Tweets, analyzing the correlation between twitter sentiment and market movements
- Applied clustering techniques to identify meaningful market regimes based on stock variance, growth, and economic event

Sector Analysis and Portfolio Optimization

Jan 2023 – Mar 2023

- Created a comprehensive data dashboard on Tableau to analyze critical insights and trends of all GICS financial sectors
- Supported strategic investments through financial modeling, industry research, and risk assessment of sector-based ETFs
- Optimized investment portfolios utilizing mean-variance objective functions, boosting AR by 35% and cutting risk by 24%

SKILLS AND INTEREST

Technical Skills: Machine Learning, A/B Testing, Data Visualization, Data Mining, Statistical Modeling, Data Engineering

Languages/Tools: Python (Scikit-learn, PyTorch, Spark), Tableau, Excel, MySQL, PostgreSQL, Java, Microsoft, R, HTML

Interests: Basketball, Travel, Texas Hold'em Poker, Real Estate, 8-ball Pool, Volleyball, Hiking, Formula One, MMA