

# THANACHOT(BOND) CHAIPRASIT

2335 Piedmont Ave., CA 94704 • (925) 914-0546 • bc15@berkeley.edu

## 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 and Interpretation of Computer Programs, Foundations of Data Science, Principles and Techniques of Data Science, Linear Algebra and Differential Equations, Global Inequality and Growth, Asset and Portfolio Pricing, Data Mining, Econometrics*

## PROFESSIONAL EXPERIENCE

**The Nature Conservancy**

**Berkeley, CA**

*Contract Data Scientist*

*Jan 2022 - Current*

- Implemented a logistic regression pipeline in Scikit-learn with a 0.87 F1 Score to predict the approval of water rights application in California
- Preprocessed 9 public datasets through categorical encoding, z-score normalization, hot-deck imputation, and by reducing multicollinearity
- Utilized RFE on a decision tree feature selection algorithm and cross validated the top 20 features with the chi-squared selection method
- Designed interactive visualizations using Plotly and Seaborn to analyze the trends in the quantity and magnitude of water diversions

**Medic**

**Berkeley, CA**

*Contract Data Scientist*

*Aug 2021 - Dec 2021*

- Created a shippable map toolkit using PostgreSQL and GeoPandas for 35k+ healthcare workers in Malawi including 6 maps that illustrate the locations of medical tasks grouped by patient household location, task type, proximity to healthcare centers, and priority of task
- Extracted new features such as 'task proximity' and 'urgency' from geographical and time data, respectively, to increase data granularity
- Employed a linear regression model to quantitatively rank medical tasks by priority, currently used by Medic to optimize resource allocation

**Nexlabs (Ecommerce Department)**

**Yangon, Myanmar**

*Data Analyst Intern*

*Dec 2020 - Feb 2021*

- Conducted a competitive analysis of the Myanmar eCommerce market by analyzing competitors' web traffic, pricing models, and services
- Revamped the company website by introducing a fixed 'Request Demo' icon, animating the above fold area, and adding a decoy product on the pricing page; led to an increase in website views by 25%, conversion rate by 14%, and average time on site by 24 seconds
- Assisted clients with technical and operational difficulties by debugging HTML code within Bagisto, an open-source eCommerce platform

**San Mateo County Office of Education**

**Berkeley, CA**

*Undergraduate Researcher*

*Aug 2021 - Dec 2021*

- Analyzed trends in literacy program churn rates, geographical expansion data, and participation levels amongst 12 demographic characteristics to explore the effectiveness and outreach of environmental literacy programs for the San Mateo County Office of Education
- Designed an interconnected data aggregation tool for 8 sparse datasets using Google Sheets functions, allowing for automated generation of quarterly program and county reports that described initiatives participated in and trends in program impact and engagement data

## LEADERSHIP AND EXTRACURRICULARS

**Data Science Society**

**Berkeley, CA**

*Data Project Manager*

*Aug 2021 - Present*

- Led workshops on ML/Modeling and Data Preprocessing in order to standardize operations across all data projects in club portfolio
- Partnered with two NGOs for full-stack data projects and managed a team of four analysts over a 12-week project timeline
- Sourced projects through mass emails and phone calls and determined project quality by assessing technical fit, data availability, and OKRs

**Burmese Association at Berkeley**

**Berkeley, CA**

*Director of External Affairs*

*Aug 2020 - May 2022*

- Advocated for academic resources after the coup by organizing campaigns, resulting in Berkeley International Office and ASUC support
- Built and fostered an online community of 400+ members on Discord where individuals could receive reliable and cross-referenced news, gain insights on and discuss current affairs, chat and reside with supporting peers, and quickly access useful health resources

**Microloans**

**Yangon, Myanmar**

*President/ Treasurer*

*June 2017 - May 2020*

- Managed a fund of \$5000 by tracking loan payments on a dynamic ledger and directing 20+ field studies including comprehensive interviews, background checks, and risk analysis to assess loan qualifications of low-credit individuals in rural areas of Myanmar
- Spearheaded a water filtration project financed through a microloans model, providing a local orphanage with stable clean water year round

**Yangon Aegis Championships**

**Yangon, Myanmar**

*Host and Organizer*

*Mar 2019 - Aug 2019*

- Organized and hosted a two-day eSports tournament featuring top Dota teams in Myanmar, raising over 8 million MMK in revenue
- Leveraged Facebook and Google Analytics to lead multiple marketing campaigns including player panels, meet and greets, product giveaways, and monthly trivia events; increased page views by 55%, post engagements by 49%, and garnered 15k followers at peak

## SKILLS AND INTEREST

**Technical:** SQL, Python (Scikit-learn, Pandas, Matplotlib, Seaborn), Java, Microsoft Office, R, HTML, Tableau

**Languages:** Fluent in English and Burmese, Intermediate in Mandarin

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