

Pheng Ang (Andy) Chiv

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EDUCATION

California Polytechnic State University

San Luis Obispo, CA

M.S. in Business Analytics (STEM)

Graduation date: [June 2023](#)

- **Coursework:** Core Statistics, Machine Learning with R, Data Management (SQL), Data Analytics and Mining, Econometrics, Strategic Marketing Analytics, Data Visualization and Communication, Text Analysis (Orange3), Financial Time-Series

California Polytechnic State University

San Luis Obispo, CA

B.S. in Applied Mathematics, Minor: Statistics GPA: 3.67 / 4

[June 2022](#)

- **Coursework:** Mathematical Data Science, R Programming, Regression, Probability, Linear Algebra, Numerical Optimization

WORK EXPERIENCE

Cal Poly Digital Transformation Hub

San Luis Obispo, CA

Data Science Capstone Project - [Github](#)

[Mar 2022 – June 2022](#)

- Developed classification models in **Python** to predict a product category on a dataset of over 2000 observations provided by Cal Poly Dxhub and achieved an average accuracy rate of 75%.
- Preprocessed and analyzed the dataset by doing EDA to identify important features, reducing manual work by 10x.
- Performed statistical analysis on product price for 33 categories between 3 stores - Walmart, Target, Noon (UAE).

Advanced Skills: Python, Natural Language Processing, Naive Bayes and Random Forest Algorithm

Cal Poly, Mathematics Department

San Luis Obispo, CA

Frost Research Intern - [Github](#)

[June 2021 – Aug 2021](#)

- Used **MATLAB** to research on solutions of Nonlinear Differential Equations deployed in fluid mechanics and optics under Dr. Stathis Charalampidis.
- Led a team of 3 people to investigate the existence, stability, and dynamics of the numerical solutions by running the model over 50 times using Newton's method and Runge-Kutta algorithm, improving solution robustness by 90%.
- Coordinated team paper writing on LaTeX and presented results to 50-60 attendees in a conference at Cal Poly.

Advanced Skills: MATLAB, LaTeX, Optimization Algorithm, Numerical Analysis

Cal Poly, Academic Skill Center

San Luis Obispo, CA

Mathematics Study Session Leader

[Sept 2021 – June 2022](#)

- Facilitated study sessions for 10-15 students 4 times a week by designing worksheets (on LaTeX) that encourage collaborative learning to enhance their understanding of Multivariable Calculus and Linear Algebra courses.
- Elevated student performance by at least one letter grade with 25% average improvement scores and received at least 95% positive feedback quarterly from students for effectiveness and organization.

PROJECTS

A/B Testing on Volume of Phone Speaker (Skills: R Programming, Statistical Analysis) - [GitHub](#)

- Conducted A/B testing on the volume of a phone speaker based on paper type and length, resulting in 6% increase in volume through hypothesis testing, designing and running the experiment on 24 observations.

Ads Clicking Analytics (Skills: Python, Classification Model) - [Github](#)

- Applied Random Forest in Python to predict customer behaviors on ads, attaining an accuracy score of 96%.

LEADERSHIP

International Welcome Ambassador, Cal Poly San Luis Obispo

[June 2020 – Present](#)

- Supervise 8-10 new international undergrad and grad students each year on academic resources and campus opportunities through 1 on 1 mentorship.
- Plan and co-host with a team of 5-7 volunteers to organize over 20 social and professional events to assist over 70 international students cumulatively in adapting to U.S. culture.

Founder & President (The Southeast Asian Student Association), Cal Poly San Luis Obispo

[Dec 2021 – June 2022](#)

- Organized weekly board meetings and monthly club events to promote cultural awareness of Southeast Asia to the Cal Poly community through social and educational events, bringing over 25 active members in the first quarter.
- Executed 2 fundraising events, raising approximately 1000\$ for the club budget by preparing, promoting and selling Southeast Asian cuisine in the San Luis Obispo area.

TECH SKILLS

Programming: Python (NumPy, Pandas, Scikit-learn, Matplotlib), R Programming, MATLAB, SQL, LaTeX

Tools: Google Collab, Jupyter Notebook, Power BI, TensorFlow, Microsoft Office

Interests: Photography, Road-Triping, Event Planning, Volunteering, Swimming, Yoga