PHU N DANG | dangnphu31@gmail.com

(669) 274-8956 | pndang.com *(personal portfolio)* **| linkedin.com/in/phungocdang | github.com/pndang**

PROFILE | From the SF Bay Area, born and raised in Vietnam. Current undergraduate striving to learn and apply the power of data science in technology, healthcare, and the urban environment. Capable of working and effectively collaborate with others, both in independent and guided projects, to develop solutions toward complex problems.

EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO
Data Science, BS - Real Estate & Development, BS *(double-major)*　　　　　　　**Graduation Date: June 2025**

EXPERIENCE

NIEMA LAB | Computer Science & Engineering | San Diego, CA　　　　　　　**Sep 2022 – Jun 2023**
Data Science Trainee & Researcher *(Mentor - Niema Moshiri)*
- Built a Dash app to visualize Covid-19 time-series data with variant segmentation
- Optimized app by reducing 97% of initial runtime using a more efficient data structure for smoothing algorithm
- Plotted in-depth multivariate visualizations to extract patterns from cancer patients' data
- Achieved 87% accuracy and precision in predicting breast cancer recurrence status using a binary classifier
- Implemented and evaluated solutions to handle imbalanced data for reliable predictions

GOING SOLO | Business Intelligence & IT Consulting | Johannesburg, South Africa　　　**Jun 2022 – Aug 2022**
Lead Data Analyst Intern
- Implemented a character-based word embeddings model to improve words/phrases cognition for text classification
- Developed an automated data labeling tool using a Bayesian classifier
- Analyzed an S&P 500 stock/financials and developed an interactive dashboard in Tableau
- Managed projects and led team communication across multiple time zones
- Refined and maintained a PM dashboard in Google Sheets to track progress and report to supervisor

DELOITTE Data Science Mentorship Program | Business Consulting | San Diego, CA　　　**Feb 2022 – May 2022**
Student Mentee
- Generated employment metric forecasts using ARIMA in R
- Performed multiple linear regression, EDA, and visualization in Excel and Python
- Presented findings to an audience of Deloitte practitioners and advisors from the Halicioglu D.S. Institute
- Worked 1-on-1 with a personal mentor at Deloitte on a weekly basis

UCSD CSE SPIS | UCSD Jacobs School of Engineering | San Diego, CA　　　　　　**Aug 2021 – Sep 2021**
Student *(SPIS – Summer Program for Incoming Students)*
- Developed an information filtering system that generates vehicle suggestions given a user's lifestyle in Python
- Programmed a web app in Python and HTML for browser display of user interface

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PROJECTS

World Happiness Report 2022 | Team Project
- Analyzed global happiness patterns using public data from the 2022 World Happiness Report
- Incorporated COVID-19 vaccination data and conducted hypothesis testing to measure relationships
- Examined correlations between the happiness index and social factors using a heat map of Pearson's r
- Turned analytical insights into actionable recommendations

SKILLS & ACTIVITIES

- **Programming Languages & Tools:** Python, Java, R, MATLAB, Tableau, MS Excel/Power BI
- **Key Competencies:** Data Analysis, Machine Learning, Statistical Modeling, Data Storytelling/Visualization
- **Native/Bilingual Fluency:** English, Vietnamese
- **Active Leadership/Extracurricular Roles:**
  - Media Coordinator and Player on UCSD Men's Club Water Polo Team (2022 National Champion)
  - Regional Director for Biokind Analytics - UC San Diego Chapter (biokind.org)
  - DS3 Workshops Committee Member (Data Science Student Society - ds3.ucsd.edu)