Dylan Ton

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EDUCATION

California State Polytechnic University, Pomona   Aug 2021 – May 2025

B.S., Business Administration: Computer Information Systems; President's Honor List

- **Courses:** Database Design and Development, Data Mining, Data Analysis with R Programming, Python Programming for Business Analytics, Statistics for Business Analytics, Cloud Infrastructure, Business Intelligence, Management Information Systems

PROFESSIONAL & LEADERSHIP EXPERIENCE

Alpha Kappa Psi, Chi Epsilon Chapter *(Vice President of Professional Development)*   May 2023 – Present

- Founded PolyInsights, a student consulting group providing members with opportunities to consult for real businesses
- Spearheaded business outreach, marketing strategy, project management, and timeline logistics by using Google Workspace and Apollo.io to streamline operational processes for PolyInsights

Management Information Systems Student Association *(Director of Data Analytics)*   May 2023 – Present

- Led MISSA's Data Analytics Team by training 21 members through coordinating workshops on Excel, Python, Tableau, and SQL
- Managed 9 data analytics projects across various industries within a semester, guiding team progress through weekly project updates, scheduled team meetings, and strategizing work distribution for enhanced team collaboration and efficiency

Fishwife *(Contract Data Analyst)*   Sep 2023 – Dec 2023

- Initiated a survey campaign and examined data from 130 respondents, comprising of 18 distinct questions, utilizing Tableau and Excel to evaluate the viability of a new product through demographic and behavioral data analysis
- Identified 405 unique combinations of product features by exploding the survey data using Python, applying the most popular combination of attributes in the development of a prototype

Southern California Edison *(Data Analyst Consultant)*   Jan 2023 – Apr 2023

- Guided a team of 5 to support Southern California Edison's goal of achieving 100% renewable energy usage by 2045
- Generated 20 data visualizations with Tableau utilizing 8 diverse datasets pertaining to Southern California Edison, providing actionable insights on target audiences, locations, and strategies for building the new solar system in the region in a span of 5 years

COMPETITIONS

Alteryx Datathon (3rd Place)   Dec 2023

- Built a predictive model using MLR with scikit-learn to predict Las Vegas hotel review scores, aiding in amenity optimization
- Analyzed 13 different coefficients from model to pinpoint key amenities affecting Las Vegas hotel reviews, collaborating with teammates to create Tableau charts illustrating amenity frequency in top and bottom-rated hotels, reinforcing model findings

Information Technology Competition (1st Place) *Data Analytics Category*   Apr 2023

- Analyzed a dataset of 100 rows detailing transformer failure causes and factors, using the insights to create data visualizations with Excel and Tableau that reinforced the credibility of our short-term Asset Health Index (AHI) based on the company's current data
- Initiated a comprehensive data collection plan, boosting AHI accuracy and decreasing transformer failures by 45%

PROJECTS

Adidas Machine Learning Project   Dec 2023

- Conducted a model selection process using exhaustive search, backward elimination, and forward selection methods, achieving a consistent AIC score of 12,869.05 and effectively identifying a stable set of 16 key predictors
- Crafted a chart of model coefficients to demonstrate variable impacts and a residual chart exhibiting a normal bell curve, highlighting the model's precision with a mean absolute error (MAE) of 0.06 in forecasting operating margins

SKILLS

- Machine Learning: MLR, K-Nearest Neighbor, Cluster Analysis, Logistic Regression, Classification Trees, Neural Networks
- Software & Data Analysis Tools: SQL, Python (Pandas, NumPy, MatPlotLib), R, Excel, Tableau, Microsoft Office, HTML, CSS, Figma
- Cloud Services & Databases: EC2, S3, EMR, RDS, MySQL, MariaDB, Cloud9, BigQuery, Databricks, Watson Studio, DB2

CERTIFICATIONS

- AWS Cloud Practitioner (Dec 2023), Google Data Analytics (Jul 2022), Analyze Business Data with SQL (Jul 2022)