Dylan Ton

dton@cpp.edu • (408) 728-5014 • www.linkedin.com/in/dylanton• github.com/dton24

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, Big Data Analytics, Python Programming for Business Analytics, Statistics for Business Analytics, Cloud Infrastructure, Advanced Data Analytics, Business Intelligence, Management Information Systems
- **Competitions:** 2023 ITC Data Analytics Case Competition *(1st Place)*, 2023 Alteryx Datathon *(3rd Place)*, 2024 Bronco Datathon *(1st Place)*, 2024 Avanade Hackathon *(Finalist)*, 2024 ITC Data Analytics Case Competition *(2nd Place)*

PROFESSIONAL & LEADERSHIP EXPERIENCE

Boeing *(Machine Learning Engineer Consultant)*   Mar 2024 – May 2024

- Developed code to generate IOB tags for 3,000 maintenance reports and utilized regex to correct inconsistencies in 60,000 words
- Engineered a BERT Named Entity Recognition model with 81.1% accuracy in classifying key categories, autonomously cleaning and labeling new freeform maintenance reports, and reducing "defect-location" identification time by 99.9%.
- Collaborated with team to integrate LLM results into a Tableau dashboard, enabling updates and visual analytics for Boeing analysts

Southern California Edison *(Data Analytics Consultant)*   Jan 2024 – May 2024

- Spearheaded a project to classify outage types and predict outage duration, leading 6 individuals with no prior ML experience
- Streamlined 2 logistic regression models to classify power outages caused by severe weather (76% accuracy) and intentional attacks (82% accuracy), and formulated a multiple linear regression model to predict power outage duration based on 12 different factors
- Orchestrated 31 data visualizations, 3 dashboards, and 12 data-driven recommendations for Southern California Edison to enhance outage type classification, outage duration predictions, and response strategies

Management Information Systems Student Association *(Director of Data Analytics)*   May 2023 – Apr 2024

- Trained 21 inexperienced club members in analytics through coordinating workshops on Excel, Python, Tableau, and SQL
- Managed 12 analytics projects across various industries using Trello and Google Workspace for efficient organization
- Guided projects' progress through weekly project updates, scheduled team meetings, and strategic work distribution

Fishwife *(Product Analytics Consultant)*   Sep 2023 – Dec 2023

- Executed a detailed SWOT and competitor analysis, guiding the strategic development of the new product
- Initiated survey campaign and examined data from 130 respondents, comprising of 18 succinct questions, utilizing Python to evaluate the viability of a new product through demographic and behavioral data analysis
- Generated over 4000 additional rows of data by exploding the survey data using Python, and identified 405 unique combinations of potential product features, applying the most popular combination of attributes in the prototype development.

PROJECTS

Google Play Store Project   May 2023

- Leveraged PySpark to analyze 10,841 rows of Google Play Store apps data, performing K-Means Clustering to create 5 clusters using elbow chart, and generating a profile plot for Google to understand which types of apps are most successful on their platform
- Created a logistic regression model with 80% training and test validation accuracy using 9 factors to predict app installations, and developed a Tableau dashboard for further visual analysis

Database Design and Development   May 2022

- Integrated foreign and primary keys to create a comprehensive data model for SSMS, establishing relationships between 11 entities
- Utilized aggregate functions, subqueries, and JOIN statements to create 23 different queries across 11 tables for 3,000 rows of data

SKILLS

- Machine Learning: MLR, K-Nearest Neighbor, Cluster Analysis, Logistic Regression, Classification Trees, Neural Networks, LLM, NLP
- Software: SQL, Python (Pandas, NumPy, MatPlotLib, PyTorch, scikit-learn), R, Excel, Tableau, HTML, CSS, erwin Data Modeler
- Big Data: S3, EMR, MySQL, QuickSight, Kinesis Data Stream, BigQuery, Athena, NoSQL, Hadoop, PySpark, AWS Glue, Sagemaker

CERTIFICATIONS

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