Victor Uong

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Professional Summary

Graduate student in Business analytics, with over 5+ YOE working in data-driven roles, such as operations analytics, dashboard creation and design of experiments. Proven track record in fast-paced problem solving and long-term project management. Analytical driven professional with a background in engineering and a passion for data storytelling.

Work Experience

Apple   January 2022 – August 2023
Display Reliability Engineer   *Cupertino, CA*

- Analyzed weekly vendor reliability test data to identify critical product failures, collaborating with cross-functional team to propose design improvements for next-generation products, and display vendors to meet mass production schedule commitments.
- Evaluated performance of individual key product components, by aggregating vendor reliability data with Apple's product database, streamlining process to mass production, and successfully launching 3 products.
- Led the development of an automated reliability summary dashboard, by defining vendor lab collection requirements, configuring internal database/user privileges, and designing Tableau templates, improving REL team efficiency by 15%.

Polykar Industries   June 2017 – July 2020
Quality Assurance Manager   *Montreal, Canada*

- Created a data-driven anomaly detection system from end-to-end, incoming raw material to final product, ensuring compliance with safety standards with ISO 9001 and BRC.
- Developed a cost analysis model that improved material usage efficiency, boosting yield rates by 10% per product order and standardizing input control.
- Delivered data-driven insights and QA KPR dashboards to executive management, showcasing monthly departmental performance achievements by achieving field return rate below 10% of total production.

Education

Master of Science in Business Analytics   August 2020 – Dec 2021 // Present
San Francisco State University, California

Bachelor of Engineering in Chemical Engineering   September 2012 – May 2017
McGill University, Montreal, Canada

Relevant Projects (https://victor-portfolio.onrender.com/home)

League of Legends: ARAM Game Outcome Prediction (AWS) (victoruong-portfolio.com/league)

- Developed an ETL pipeline to extract over 50K+ games from the RIOT API, into a PostgreSQL database.
- Deployed a Machine Learning model within an AWS web application to make pre-game predictions on the game outcome probability in response to client-side input request, improving winning percentage by 10%.

Fantasy Basketball: Tableau Dashboard Support (AWS) (victoruong-portfolio.com /nba)

- Created a python package to extract all players info, game data and post-games stats from latest NBA season and streamlined ETL data for storage into a PostgreSQL database.
- Launched an interactive Tableau dashboard on AWS with live connection to support Fantasy Leagues, by implementing an Airflow orchestrator to automate daily extracts and refresh of NBA games into the database.

Connect4 Board Game with Adversarial AI (AWS) (victoruong-portfolio.com /connectfour)

- Deployed a fully functional connect4 game on AWS, with an AI opponent using the Alpha-Beta Pruning Algorithm, searching for the optimal move 4 steps ahead, successfully beating dozens of online opponents.