Victor Uong

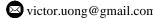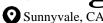📞 628-264-5165   ✉ victor.uong@gmail.com   📍 Sunnyvale, CA   🌐 victoruong-portfolio.com

Professional Summary

Graduate student in Business analytics, with over 5+ YOE working in data-adjacent 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 – May 2024 (expected)
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 AWS RDS PostgreSQL.
- Deployed a ML model within an AWS EC2 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 an AWS RDS 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.

UC Davis Aggie Hack: Analysis of Homelessness in California (google slide link)

- Awarded 3rd place by a panel of judges in an Analytics Competition working with a team of 4 by investigating the impact COVID-19 on California's homelessness. This involved researching key driving factors and modeling relevant datasets to demonstrate the pandemic's effect compared to a non-pandemic scenario.