

# Victor Uong

☎ 628-264-5165

✉ victor.uong@gmail.com

📍 Sunnyvale, CA

🌐 [victor-portfolio.onrender.com](https://victor-portfolio.onrender.com)

## 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 ([victor-portfolio.onrender.com/league](https://victor-portfolio.onrender.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 a 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 ([victor-portfolio.onrender.com/nba](https://victor-portfolio.onrender.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 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 ([victor-portfolio.onrender.com/connectfour](https://victor-portfolio.onrender.com/connectfour))

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