**Erik Chu**

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**EDUCATION**

**Santa Clara University, Leavey School of Business** Santa Clara, CA

***Master of Science in Business Analytics*** December 2019

* Relevant Topics: Econometrics Using R, Database Management Systems, Data Science Analysis with Python, Marketing Analytics, Machine Learning (supervised and unsupervised learning), Internet of Things, Supply Chain Management
* Supply Chain Management Association – External Relations

**California Polytechnic State University – San Luis Obispo** San Luis Obispo, CA

***Bachelor in Industrial Engineering*** April 2018

* Alpha Pi Mu (Industrial Engineering Honor Society)
* Lead Sports Writer – MustangNews

**TECHNICAL SKILLS**

* Programming Languages: Python (scikit-learn, pandas, numpy), R, SQL, Web Technologies (HTML, CSS, JavaScript), Tableau, Git
* Scientific: Advanced Regression Modeling and Machine Learning
* Business: Financial, Marketing, and Supply Chain Analytics, JIRA

**EXPERIENCE**

**Lumentum**  San Jose, CA

*Data Analyst, Scientist Level 3*  2019-Present

* Designed and developed ETL pipelines, metrics, dashboards, analysis to drive key business decisions in supply chain and other departments
* Developed an end-to-end ETL pipeline and Tableau dashboard that provides insights to logistics freight shipping details such as product info, shipping priority, customer, site, etc. Increased cost savings by 50% and eliminated manual work by 90%
* Developed an end-to-end ETL pipeline to calculate the product cost and sourcing risk/strategy of multilevel BOMs for SC departments. Used SQL to import data from multiple AWS tables, clean/process/analyze data, and load results into Tableau. Decreased lead time by 95%
* Developed an end-to-end ETL pipeline and Tableau dashboard that provides insights to logistic metrics such as late shipments, total volumes per route and region, transit time, etc
* Led MDM projects which resulted in Tableau dashboards that provide internal analytics on missing/incorrect data in AWS originally from Agile and Oracle. Completed via SQL and increased efficiency by 80%
* Created an end-to-end ETL Python pipeline to import MRP, IHS, and supplier data into AWS which increased efficiency by 90%
* Led department initiatives on standard work for bugs and code maintenance guidelines (Bitbucket/Git)
* Served as a liaison between business units (NPI, GCM, etc) and IT to understand business requirements and find long-term solutions

**PG&E**  San Francisco, CA

*Supply Chain Analytics Intern* 2018

* Utilized Tableau maps to display the financial impact of President Trump’s trade tariffs across PG&E’s lines of businesses and formulated supply chain sourcing strategies from Tableau dashboard which resulted in cost savings estimated to be $150K

**ACADEMIC PROJECTS**

* **NCAA Basketball Python Project**: Applied machine learning techniques to decades of basketball data to uncover characteristics of winning basketball teams. Analysis included data cleaning, model selection (Decision Tree Classifier) and data visualization. Used findings and won March Madness pool

**ADDITIONAL INFORMATION**

**Interests:** Travel (visited 20 countries), Adult League Basketball

**Certificates:** IASSC - Six Sigma Yellow Belt, Udacity (Data Engineering)