

# JOSEPH LIN

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## PROFESSIONAL QUALIFICATIONS:

- **Databases:** Vertica, Oracle 11g/MySQL/PostgreSQL
- **Data Analysis:** Python (NumPy, Pandas, xlwings, Scikit-learn), Excel, R (dplyr, tidyr)
- **Data Visualization:** Tableau, matplotlib, D3.js, plot.ly, Superset
- **Programming Languages:** Python, SQL, JavaScript, Google Script, R, HTML, VBA Macros
- **Relevant Knowledge:** Java, C/C++ programming/Data Structures
- Logistics and Supply Chain Process Strategy (SAP), SharePoint Workflow Developer (Nintex)
- Continuous Improvement and Lean Six Sigma Fundamentals
- Fluent in Chinese and English translation.

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## PROFESSIONAL EXPERIENCE:

**MZ, Marketing Data Analyst** (*Mar 2018–present*) *Palo Alto, CA*

- Programmed Data Pipelines for MZ's Marketing Agency – Cognant, by automating data cleaning and analysis at multiple granularities using Python (Pandas, NumPy, API's) and SQL. Monitored client's budget and programmed spend imputations to increase forecasting model accuracy for Executive Dashboards.
- Collaborated with Data Science – Fraud Detection, Marketing Analytics, and Data Platform.

**Genentech, Business Intelligence Analyst** (*Nov 2015–Feb 2018*) *South San Francisco, CA*

- Led development of Data Visualizations for 27 Cost Centers to monitor \$14M Materials Budget, which ultimately saved \$1.2M from 2016-2017. Implemented an Outlier Classification system to notify Cost Center Managers of unusual spends.
- Streamlined 8 ETL Processes for Pilot Plant Scheduling Software as well as Resource, Headcount, and Demand reporting using Python (Pandas, NumPy, Selenium) and SQL.
- Designed and guided development of proprietary scheduling software for the Cell Culture Pilot Plant, which coordinated 1900+ production runs among 50+ researchers/technicians, and reduced scheduling logistics time by 70%. Handled development of scheduling software for 2 other Cost Centers as well.
- Built 3 SharePoint Workflows for Capital Expense planning to sustain division's asset strategy and resource planning, which saved \$4M in 2016.
- Aggregated data across 3 different database platforms to streamline Inventory, Financial, and Molecule Production reporting needs.

**Genentech, Supply Chain Business Operations Intern** (*July 2015–Nov 2015*) *South San Francisco, CA*

- Handled supply chain logistics for inventory of ~450 pilot plant raw materials and consumables.
- Programmed a web-crawler in Python to scan inventory database and trigger purchase orders or stock releases with vendors, ensuring constant supply chain with 0 stock outs.
- Built and maintained transactional database tables for the Pilot Plant's inventory and material usage to ensure just-in-time production needs, which ensured 0 stock outs. Coordinated audits for risk assessment analysis on inventory data to identify improvement opportunities and root causes for issues.

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## ADDITIONAL EXPERIENCE:

**Almutairi Lab, Assistant Staff Research Associate** (*Jun-2014–Aug 2014*) *La Jolla, CA*

- UCSD Skaggs School of Pharmacy research fellowship at the Almutairi Lab for Bioresponsive Materials

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## CERTIFICATIONS:

Coursera - John Hopkins Data Science Specialization: R Programming, Getting and Cleaning Data, Regression Models, Practical Machine Learning, Exploratory Data Analysis, Statistical Inference, Developing Data Products

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## EDUCATION:

**University of California, San Diego, La Jolla, California** (*Sept 2011 – Jun 2015*) *La Jolla, CA*  
B.S. Biochemistry/Cell Biology

**Lynbrook High School** (*Aug 2007 – Jun 2011*) *San Jose, CA*

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## EXTRACURRICULARS:

- UCSD Men's Club Soccer

- Tau Kappa Epsilon - PiXi