# DAVID "QING" ZHANG

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**Summary:** Program Manager with vast experience in finance and cloud computing. Adept in machine learning applications, data visualization, and financial analytics. A versatile team player with a passion for learning and sharing knowledge to help others grow.

**Expertise:** Kafka, Kubernetes, Prometheus, Grafana

**Skills:** Python, Prometheus, Kubernetes, Python, PostgreSQL, R, MATLAB, SPSS, VCV, Minitab, AutoCAD, MySQL, SAS, AWS, Oracle Hyperion, Tableau

**Languages:** English, Japanese, Mandarin

**Certificate:** Certified SAS Enterprise Analyst, Certified Amazon Cloud Solution Developer, Certified Kubernetes Application Developer

**Rewards:** 2019 and 2020, 1st Place in JP Morgan Global Hackathon innovation competition; 2021, Top 5% in Amazon DeepRacer Global Competition; 2022, 1st Place in Google Global Hackathon innovation competition

## EDUCATION:

**Master of Information Science Management**
University of California Berkeley                                    Sep 2016 - Dec 2018

**Master of Business Administration**
University of California Davis                                    Sep 2014 - June 2016

**Bachelor of Business Administration Economics with Distinction**
University of Iowa                                    Aug 2012 - May 2014

## PROFESSIONAL EXPERIENCE:

**Senior Program Manager**                                    Nov 2021 – Present
**Google LLC**
**Mountain View, CA**
- Managing multiple artificial intelligence (AI) projects to drive Google Cloud efficiency improvement
- Leading Google's Cloud Platform data center, security, and AI teams
- Leading Google Cloud courses for engineering training

**Senior Software Engineer**                                    Oct 2018 – Nov 2021
**JPMorgan Chase & Co Global Science Innovation Center**
**Palo Alto, CA**
- Built JP Morgan Technology Academy for AI application development
- Built JP Morgan Global Pandemic Covid-19 Mornitory system to protect employee's safety
- Owned two AI products to continuously onboard internal clients
- Developed American Sign Language Translator Application at Chase Columbus Innovation Center
- Built JP Morgan Chase Cloud Kubernetes and Kafka Data Platform service
- Generated JP Morgan Chase Application Performance Anomaly Detection Solution
- Built AutoML capacity projection tools

- Set Site Reliable Engineering Playbook for application performance tracking
- Set Record Rules via Kubernetes and Prometheus for application metrics monitoring

**Production Consultant**                                       March 2018 – Oct 2018
**JPMorgan Chase & Co Corporate Investment Bank**
**Tampa, FL**
- Built site reliable engineering standards to evaluate the performance of all online transaction applications
- Monitored JP Morgan Chase Public Cloud Platforms metrics daily to avoid system shutdown
- Partnered with the Chase Payment application team to improve system uptime and latency

**Supply Chain Specialist**                                       Nov 2015 - Nov 2020
**United States Army Reserve**
**San Francisco, CA**
- Built a quarterly logistic budget forecasting dashboard using Tableau
- Drafted inventory project charters to help the management team track monthly shipping goals
- Managed a government procurement system for all ports on the western coast

**Financial Planning Analyst III**                                 June 2017 – March 2018
**California State Compensation Insurance Fund**
**San Francisco, CA**
- Maintained monthly state employee health reports to the California Department of Public Health
- Partnered with senior leaders to improve the financial operations of the $1B insurance company
- Developed the Kaiser and Sutter Health cost & capacity planning roadmap
- Assisted various business divisions with their financial modeling needs, such as portfolio asset allocation models, staffing capacity models, ROI models for Marketing, and project cost estimation of a new digital sales channel
- Oversaw the budgeting, forecasting, and long-term planning of the state worker health compensation budget allocation

**Global Supply Chain Analyst**                                   Sep 2015 - April 2016
**Tesla, Inc.**
**Fremont, CA**
- Collaborated with vendors to make sure all purchasing orders are delivered on time
- Generated real-time indirect Purchasing Procurement dashboard to manage vendor performance
- Negotiated vendor contract to meet the engineering team's technical requirement
- Created capital expenditure battery website with AP and finance team to check inventory status
- Published regular supply chain projects status updated for management team review
- Assisted procurement managers on Model S and X battery module contract negotiation

**Financial Planning Analyst**                                     July 2015 - Sep 2015
**MUFG Union Bank America**
**San Francisco, CA**
- Established weekly and quarterly corporate real estate analysis reports for senior leadership
- Created MUFG corporate real estate investment modeling for buy/lease comparison
- Helped the real estate team to sell two San Francisco bank branches

**Car Designer**                                                   July 2007 - Sep 2012
**Toyota Motor Corporation**
**Tokyo, Japan**
- Designed Toyota Camry 2009-2010 version tail lights.
- Designed Toyota 4-Runner 2009-2010 upper body shape.