

# Michael Zhang

## Data Science | Analytics

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### SUMMARY

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Data Analyst with 8+ years of experience using SQL, Python, and cloud data warehouses to build pipelines, automate workflows, and deliver real-time insights at scale. Deep expertise in AWS and workflow automation, with a proven track record of supporting cross-functional teams in marketing, operations, and finance.

### SKILLS & TOOLS

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- **Languages:** SQL, Python (Pandas, NumPy, Matplotlib, Scikit-Learn)
- **Data & Cloud:** AWS (S3, Lambda, EC2, SageMaker, RDS, DynamoDB), Tableau, Excel
- **Analytics:** A/B testing, feature engineering, segmentation, automation scripting, data QA
- **Tools:** GitHub, Command Line, Docker

### RELEVANT WORK EXPERIENCE

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#### Founder – Data and Investments

- Inversion Capital | Las Vegas, NV Jun 2022 – Present
- Built and automated end-to-end SQL + Python pipelines for forecasting and data analysis for homes in Las Vegas, NV for long-term rentals and short-term flips
  - Automated recurring workflows with Python scripting eliminating 15+ hours/week of manual financial reporting
  - Collaborated cross-functionally with vendors and partners to scale processes

#### Director – Data and Investments

- Kalonymus | Los Angeles, CA Nov 2021 – May 2022
- Designed data models and dashboards to evaluate market and historical datasets for strategic decisions leading to over \$70MM deployed in equity investment capital
  - Presented and translated data into investment and operational strategies to key investors

#### Senior Associate – Acquisitions

- Boulevard Partners | Los Angeles, CA Jan 2020 – Oct 2021
- Streamlined due diligence workflows using SQL and Python to handle large datasets
  - Partnered with key investors and lenders to translate data into investment and operational strategies

#### Analyst – Investments

- Brookfield Properties | San Diego, CA Oct 2018 – Dec 2019
- Developed dynamic dashboards for investment feasibility adopted enterprise wide
  - Introduced query and pipeline optimizations that reduced investment decision latency by 25%

### **Research Associate – Equity Research**

Brandes Investment Partners | San Diego, CA

Oct 2014 – Sept 2018

- Performed advanced data analysis and modeling for global tech and infrastructure companies such as Microsoft and Oracle, leading to above-market returns over 4 years
- Translated complex data into strategic investment recommendations

### **Senior Associate – Audit**

PricewaterhouseCoopers | San Francisco, CA

May 2011 – Sept 2014

- Led and completed the audit of Rancon Realty Fund while coming in under budget and saving \$10,000+

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## **PROJECTS**

### **FinPulse: Financial Analytics Dashboard with Cost Optimization**

- Architected and deployed FinPulse, a Next.js/TypeScript financial analytics dashboard integrating real-time expense tracking, AWS cost optimization, and AI-powered anomaly detection
- Implemented 7 SQL views for trend analysis and waste detection, built 12 responsive React components with interactive charts, and engineered row-level security with comprehensive audit logging
- Deployed production-ready application via Vercel with automated CI/CD, delivering quantified cost savings recommendations across multiple optimization categories

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## **PROJECT LINKS**

- [FinPulse Loom Video Walkthrough](#)
- [FinPulse Web App Link](#)

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## **EDUCATION AND CERTIFICATIONS**

- BS, Accounting, University of Utah – Dean’s List all semesters
- Chartered Financial Analyst (CFA) (2016)
- Certified Public Accountant (CPA) (2014)
- Data Science Professional Certification – Data Science Infinity (2025)

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## **OTHER**

- Own and manage 6 properties in Las Vegas, NV as mid-term and short-term rentals through Inversion Capital
- Own and manage a multi-sport coaching business called N Zone Sports for kids in Las Vegas, NV with 3 employees and dozens of clients