

# Randy Gonzalez

## Operations Analyst

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### Key Skills

**Languages & Tools:** **SQL** (SQLite, PostgreSQL), **Python** (Pandas, NumPy, Jupyter), **Excel** (Advanced Functions, Pivot Tables, Charts), **Power BI**, **Tableau**, **R**

**Analytics:** Data Cleaning & Transformation, Exploratory Data Analysis, Statistical Analysis, Data Visualization, ETL Processes, Dashboard Design

**Business:** Process Documentation, Stakeholder Communication, Requirements Gathering, Cost-Benefit Analysis, Research & Reporting

### Education

**University of California, Los Angeles (UCLA)**  
B.S. Applied Mathematics,  
Minor in Statistics (2017–2021)

### Certifications

**Google Data Analytics Professional Certificate** – In Progress (7/8 courses completed)

**SQL for Data Science Specialization** – UC Davis via Coursera – In Progress (2/3 courses completed)

**Data Visualization with Tableau Fundamentals** – UC Davis via Coursera

**Microsoft Power BI Data Analyst Specialization** – In Progress (3/8 courses completed)

**Mastering Data Analysis with Pandas** – Coursera Guided Projects (5/5 courses completed)

### Summary

Data Analyst with B.S. in Applied Mathematics from UCLA and seven years of operations experience managing procurement, payroll systems, and process improvements in construction. Post-graduation, I applied quantitative skills in an operational setting - building data systems that turned project metrics into cost savings and efficiency gains. Now seeking to transition into a more dedicated data analyst role where I can focus entirely on analysis and leverage technical skills in SQL, Python, Excel, Power BI, and Tableau alongside practical business experience. Experienced in cleaning complex datasets, building dashboards, and communicating insights to non-technical stakeholders. Aiming for a position where both analytical rigor and operational understanding create value.

### Professional Experience

#### Strong Ties Construction, Inc. – Los Angeles, CA

##### Operations Analyst (January 2025 – Present)

- Developed and maintained Excel-based payroll tracking system managing workforce scheduling and hour allocation across 3-6 active projects weekly
- Administered data collection processes for project cost tracking, improving reporting accuracy and enabling data-driven resource allocation decisions

##### Operations Coordinator (June 2021 – December 2024)

- Spearheaded vendor and materials research for cost optimization, maintaining profit margins of 12% through strategic procurement analysis
- Investigated financing options and presented comparative analysis, reducing potential interest costs by 3.5%
- Coordinated project documentation including invoices, bid proposals, and permits across concurrent projects
- Managed vendor relationships and scheduling, ensuring timely material delivery and project workflow continuity

##### Construction Laborer (June 2018 – June 2021)

- Supported construction operations through material delivery, site coordination, and labor-intensive tasks
- Gained foundational understanding of project management workflows, client communication, and operational efficiency

### Projects

#### Olympics Data Quality & Preparation – SQL, Python, Jupyter

Assessed and cleaned 120 years of historical Olympics data (271K records) using SQLite and Python. Built systematic data quality pipeline addressing completeness, accuracy, and consistency issues through cross-referencing with Olympedia.org and other sources. Applied CTEs, JOINS, REGEX pattern matching, and quartile-based outlier detection. Documented findings that age range of 10-97 was explained by discontinued art competitions, demonstrating importance of domain research in data interpretation.

#### Brew Heaven Data Analysis – Power BI Dashboard (Sales & Inventory Optimization)

Created sales and inventory dashboard using Power Query ETL processes. Identified coffee overstocking and untapped pastry revenue potential, recommending inventory reallocation based on revenue-per-unit analysis and customer feedback.