Simon Karl Angeles Difuntorum

(408) 724-7745 | skdifuntorum@gmail.com | linkedin.com/in/simondifuntorum | lowinertia.com/portfolio/simondifuntorum

Education

San José State University (SJSU), San Jose, CA
M.S., Industrial & Systems Engineering, Operations Analytics (4+1 Program)   Aug 2025 - May 2027
B.S., Industrial & Systems Engineering   Aug 2022 - May 2026
- **Achievements:** Dean's Scholar
- **Coursework:** Operations Planning & Control, Lean Manufacturing, Engineering Economic Systems, Operations Research, Statistical Process Control, Service Systems Engineering, Engineering Statistics, Design of Experiments

Project Experience

Production Planning & Demand Forecasting Lead, *SJSU*   Aug 2025 - Dec 2025
- Developed demand forecasts with MAD constraints by applying Holt's Method and regression to 24 months of data
- Built aggregate plans and MRP models, projecting $182K in savings by evaluating labor and inventory tradeoffs
- Analyzed capacity constraints across three scenarios to improve plan stability by modeling demand variability

Operations Improvement Consultant, Chick-fil-A   Dec 2025 - Present
- Analyzed high-volume kitchen throughput to maximize service efficiency and minimize operational bottlenecks
- Targeting a 5-10% reduction in cycle time by optimizing order routing from point-of-sale to front-of-house
- Conducting root cause analysis on kitchen-to-FOH handoffs to reduce wait times for completed customer orders

Engineering Management Consultant, *Town of Los Gatos*   Aug 2025 - Dec 2025
- Analyzed permitting workflows via site visits and work sampling to target a 15% cycle time reduction goal
- Quantified administrative delays across 100+ permits using Accela data to build standardized tracking tools
- Delivered three key improvement recommendations to stakeholders by synthesizing operational data findings

Database Management Lab Project, *SJSU*   Mar 2025
- Designed and implemented a relational MySQL database as part of a database systems laboratory assignment
- Populated and validated a dataset of 200+ records to support querying, reporting, and analysis exercises
- Wrote SQL queries and basic documentation to demonstrate database functionality and design decision logic

Undergraduate Researcher, *SJSU*   Aug 2025 - Dec 2025
- Analyzed acoustic sensor data to explore equipment behavior patterns and support faculty-led research goals
- Processed and organized experimental datasets in Python to assist with basic anomaly detection analysis
- Documented methods and preliminary findings while sharing weekly progress updates with the research group

Project Manager – FitTrack Pro App Development, *SJSU*   Aug 2025 - Dec 2025
- Led a 7-student project team by organizing tasks and timelines to deliver a functional app prototype on time
- Defined basic functional requirements from assignment guidelines and peer input to guide feature implementation
- Coordinated peer testing and documented issues to support iterative improvements before final project submission

Leadership Experience

Logistics & Operations Lead, *IISE Western Regional Conference*   Jan 2025 - Present
- Directing logistics for a 100+ attendee conference by managing schedules, vendors, and key task dependencies
- Managing a $15K budget with zero overruns by strictly coordinating vendors and tracking real-time expenses
- Coordinating three industry tours and ten workshops by aligning logistics with partner availability and needs

VP of Membership Relations, *Institute of Industrial & Systems Engineers (IISE)*   Mar 2025 - Present
- Expanded chapter membership by 30+ students by leading recruitment initiatives across engineering departments
- Improved member retention by ~20% by organizing five events and refining programming using participant feedback
- Tracked membership engagement metrics by maintaining attendance records and monitoring participation trends

Skills

Applications: Excel (VBA, Solver, Pivot Tables), Google Sheets, Minitab, MySQL, Python (Pandas, NumPy, Ruptures), R, SolidWorks, C++, Accela, GitHub, Lucidcharts, Jira, Figma, Lingo, MS Project, Power Bi
Methodologies: Demand & Capacity Planning, Lean/Kaizen, Optimization Modeling, SPC, Cost Analysis, Root Cause Analysis, DOE