

JOSEPH C. WANKELMAN

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ORGANIZATIONAL LEADER | BUSINESS STRATEGIST | DATA ANALYST | AI GOVERNANCE

With 14 years of high-stakes military aviation program management, 10 years as a business strategist consultant, and 7 years of advanced data analytics experience, I thrive in environments that demand quick thinking, precise execution, and constant innovation. My expertise in statistical modeling, machine learning, and strategy development has repeatedly delivered high-impact, data-driven results that capitalize on emerging market opportunities. I'm driven by the collaborative, fast-paced culture, where collaborative team work push the boundaries of what's possible. I'm excited to bring my relentless focus on optimization, rapid implementation, and innovation to the team.

TECHNICAL SKILLS

Programming Languages: SQL | NoSQL | Python | R | Java

ML/DL/Statistics: Regression | Classification | A/B Testing | ANOVA | t-test | Data Mining | Bayesian Analysis | Hypothesis Testing | Time Series Analysis | Clustering

Library/Framework: Pandas | Numpy | Matplotlib | ETL

OS/Cloud: Linux | AWS | Azure

Tools & Applications: Tableau | PowerBI | Oracle | GITHUB | Asana | Jira | Excel | ArcGIS

Data Governance: Data Quality | Data Security | Data Stewardship | AI Governance

Database Design/Implementation: Normalization | ER Diagrams | Query Optimization | Database Migration | Data Modeling

Project Management: Waterfall | Agile | Stakeholder Management | Risk Management | Crisis Management

PROFESSIONAL EXPERIENCE

Data Scientist Intern

Braver Angels | New York, NY

January 2024 – Present

- Drove a 10x membership growth, increasing organizational valuation by leveraging Python, SQL, and advanced classification and regression models to identify growth drivers and optimize decision-making, boosting ROI.
- Increased outreach effectiveness by 25% through multivariate analysis and clustering of 15+ factors, streamlining data integration from 10+ sources via an ETL pipeline to improve data quality, consistency, and stewardship.
- Strengthened forecast accuracy by 20%, elevating subscription growth tactics by 30% using Python, Tableau, and NoSQL databases, while ensuring secure, compliant visualizations through AI governance protocols.

Data Analyst / Co-Founder

KIKO | Lynnwood, WA

April 2023 – January 2024

- Transformed 1,000+ Adverse Childhood Experiences interviews into structured datasets using advanced sentiment analysis, leveraging Bayesian Analysis and Hypothesis Testing to extract actionable insights, while ensuring full compliance with AI governance and data integrity standards.
- Cut costs by \$127K and improved predictive accuracy by implementing A/B testing, classification models, and machine learning algorithms, driving strategic market positioning and raising the company's valuation.
- Built a high-efficiency ETL pipeline and data warehouse using Pandas, Numpy, and Matplotlib, boosting data processing speed by 37% enhancing predictive modeling for precise trend analysis.
- Led cross-functional collaboration applying agile PMP methodologies among data science, marketing, and product teams to drive strategic planning, increasing project efficiency by 30%.

Data Analyst Apprentice

Amazon | Bellevue, WA

November 2022 – April 2023

- Optimized supply chain forecasting using a Python-based ETL pipeline, reducing analysis time by 30%, and incorporating time series analysis and classification to enhance decision-making with insights from Stanford's Machine Learning Specialization.
- Maximized product profitability by \$4,750/month through a UI/UX redesign driven by market research and Hypothesis Testing, improving data management with Amazon DynamoDB and AWS, boosting engagement, and reducing operational costs.
- Enhanced decision-making speed by 4% with Tableau dashboards, translating metrics into actionable insights and leveraging clustering for deeper data analysis, while collaborating with cross-functional teams to ensure data integrity and data security.

Business Consultant

JW Consulting | Lynnwood, WA

January 2018 – November 2022

- Boosted a \$500M biotech portfolio's yield by 1% by developing financial models from data-mining 10-Q reports and conducting equity analysis using Excel and Python to identify high-potential healthcare companies, driving strategic investment decisions.
- Achieved a 15% cost reduction and 300% customer acquisition growth at Bone Frog Coffee by integrating Google analytics, Lean Six Sigma methodologies, and optimizing marketing and operations strategies, driving \$70,000 increase in sales.

- Streamlined data accuracy increasing operational efficiency by 50% for Operation Military Family through a CRM overhaul, expanding outreach to 1,000+ military families via targeted, data-driven marketing initiatives based on geolocations.

AH-64 Apache Maintenance Test Pilot / PMP

United States Army | Joint Base Lewis McChord, WA

June 2000 – September 2016

- Spearheaded the high-stakes \$1.9B audit of the Boeing AH-64E contract, collaborating with the Department of Defense, Boeing, and private sector teams to ensure battlefield dominance, battlefield superiority, utilizing waterfall project management.
- Managed a 50-person cross-functional team, ensuring a flawless safety record over 10,000 flight hours across eight \$45M helicopters by executing cutting-edge risk management, training, logistics, and operational strategies, earning recognition from Army for leadership.
- Increased operational readiness to 93%, streamlining logistics, resource management, and process optimization, while managing a multimillion dollar budget to maximize efficiency in high-pressure environments.

EDUCATION

Master of Science: Data Analytics and Policy - Statistical Analysis

Johns Hopkins University, Washington DC | *August 2025*

Bachelor of Arts: Business Administration - Marketing

University of Washington, Bothell, WA | *June 2022*

Certifications:

Postbaccalaureate Studies Data Science, *California Institute of Technology* | Machine Learning Machine Learning Specialization, *Stanford University* | Structured Query Language (SQL), *University of Colorado* | Data Analyst Certification, *Google* | Project Management Professional, *Syracuse University*

VOLUNTEER EXPERIENCE

Commissioner for Snohomish County

Snohomish County | Lynnwood, WA

February 2024 – Present

- Orchestrated a 12% increase in competitive salaries through a comprehensive regional compensation analysis, positioning Snohomish County as a leader in governance and fiscal responsibility while elevating employee retention and morale.
- Championed transformative policy reforms that optimized budget allocations, resulting in a 15% boost in critical county service funding, all while ensuring fiscal transparency and accountability.

Commander

American Legion Post 234 | Mountlake Terrace, WA

June 2019 – June 2023

- Empowered over 100 veterans with personalized coaching, leveraging deep military expertise to foster resilience, well-being, and perseverance through proven, battle-tested strategies.
- Drove a 15% surge in membership and a 25% increase in volunteer engagement by spearheading community outreach initiatives that enriched organizational growth and mission impact.