

Jaewon Shim

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WORK EXPERIENCE

Product Manager

Jan 2026 – Present · San Francisco, CA

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- Product Manager across the HR and Legal teams, pairing product ownership with hands-on data science.
- Built an employee attrition model (LightGBM) surfacing the highest-risk 15% of teams, giving HR an early signal to prioritize retention.
- Led an automation integration across 10+ internal applications, cutting manual HR and Legal intake handoffs ~40% and speeding turnaround ~30%.
- Defined requirements and success metrics for HR and Legal intake workflows with Legal, Engineering, and Data, lifting on-time SLA compliance above 95%.
- Built SQL and Tableau dashboards giving leadership real-time visibility into intake volume, SLAs, and bottlenecks.

Market Research Analyst Intern

Sep 2025 – Jan 2026 · Milpitas, CA

Advanced Energy

- Conducted in-depth competitive analysis of industry products across efficiency metrics, pricing, and market positioning to support strategic decision-making.
- Developed automated workflows using Excel VBA and Python, streamlining data collection and reporting and improving analysis turnaround time by 90%.
- Delivered actionable insights through reports and presentations, enabling teams to identify opportunities for differentiation.

Product Manager Intern

Jun 2025 – Aug 2025 · San Francisco, CA

DocuSign

- Delivered Tableau dashboards consolidating 50M+ records via SQL, giving Sales & CS leadership real-time KPI visibility and cutting manual reporting workload by 80%.
- Built and deployed a Python churn/renewal scoring model (92% accuracy), automated with Airflow and integrated into Salesforce to prioritize high-risk accounts.
- Analyzed 40K+ sales sequences to identify top-performing outreach strategies, improving conversion by 15% and informing product roadmap decisions.

Data Scientist Intern

Jun 2024 – Dec 2024 · Milpitas, CA

MKS Instruments

- Developed and deployed ensemble ML models on inspection data for real-time defect scoring, reducing false positives and saving \$750K annually in scrap costs.
- Migrated 20+ dashboards from Tableau to Power BI, optimizing ETL pipelines for performance and usability.
- Conducted ad-hoc data analysis to uncover warranty trends and automated reporting workflows, improving operational efficiency.

Python & Mathematics Online Tutor

Feb 2023 – Mar 2025 · Remote

Tablet

- Delivered tailored Python, statistics, and calculus instruction to 100+ students, with 96% improving from C-level to A grades.
- Earned Honorable STEM Tutor Certificate (top 1%) for exceptional impact on student performance.

EDUCATION

University of California, Berkeley

Aug 2018 – Dec 2025 · Berkeley, CA

Data Science, B.A. · GPA 3.9 / 4.0

SKILLS

Data Engineering & Programming: Python (Pandas, NumPy), Advanced SQL, Snowflake, Hadoop, Databricks, Apache Spark, Airflow, Excel, Git

Machine Learning & AI: Scikit-learn, TensorFlow, PyTorch, NLP, LangChain, Deep Learning, Ensemble Methods (XGBoost, LightGBM), Unsupervised Learning, Model Deployment

Statistical Analysis: A/B Testing, Regression, Time Series, Causal Inference, Experimental Design, Forecasting

Data Visualization & BI: Tableau, Power BI, Looker, Seaborn, Salesforce, Smartsheet, Outreach, Jira

PROJECTS

Defect Prediction Modeling. Built and automated a LightGBM defect prediction system (85% recall) on 500K+ inspection records, integrating SMOTE resampling and Power BI dashboards to reduce scrap events by 20%.

Root Cause Analysis Dashboard. Designed a Power BI dashboard on quality KPIs (OBQ, AFR, WIRR), improving defect visibility and reducing warranty incidents by 23%.

E-Commerce Conversion Rate A/B Testing. Executed an A/B test on 290K+ users in Python, revealing no significant lift (–1.3%) and preventing a costly rollout of an ineffective landing page redesign.

Samsung Stock Forecasting. Built LSTM and GRU deep learning models in TensorFlow ($R^2 = 0.95$) to generate 10-day Samsung stock forecasts with actionable investment insights.

CERTIFICATIONS

Google Data Analytics · IBM Data Science · DataCamp (SQL, Python)