

Evan Pritchard

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EDUCATION

Woodbury University | BS Computer Science Data Analytics
GPA: 3.77 Magna Cum Laude

Graduated: April 2026

PROJECT EXPERIENCE AND TECHNICAL SKILLS

AI Job Market & Automation Risk Analysis Dashboards

- Built an end-to-end ML pipeline in Python (PCA + K-Means via scikit-learn) to cluster job roles by salary, automation risk, and industry, validating cluster quality with silhouette scoring across $k=2-8$
- Found that automation exposure tracked more closely with role complexity and industry context than with salary, distinguishing a high-salary/high-exposure technical cluster from lower-risk, more resilient role clusters; visualized in an interactive Streamlit/Plotly dashboard

SQL Sales Analytics Case Study

- Engineered 8 SQL queries (CTEs, window functions, LAG, RANK/DENSE_RANK) across a normalized orders/order_items schema to analyze category, regional, and customer performance
- Uncovered that discounts above 20% reliably erased profit (-2.3% margin vs. $+18.4\%$ with no discount) and that 62% of customers were one-time buyers, flagging a clear retention opportunity for stakeholders

Excel Analytics Dashboard

- Designed a 4-sheet Excel workbook with PivotTable-style KPI cards, conditional formatting, and a documented 10-step Power Query transformation pipeline

Programming: **Python, SQL, R, SAS, Java, C#**

Data Analytics & ML: **Pandas, NumPy, Scikit-Learn, Regression, Classification, Clustering, EDA**

Visualization: **Power BI, Tableau, Excel, Plotly**

Databases: **Snowflake, Oracle SQL, SQL Server**

Tools: **Git, VS Code, Visual Studio, PyCharm**

WORK EXPERIENCE

Omega Cinema Props, Los Angeles, CA

Data and Operations

August 2024 – April 2026

- Audited a sample of 5,000 inventory records and identified that 50% had not rented in over 5 years, flagging outdated SKUs (stock keeping units) for review and cleanup to improve inventory accuracy.
- Identified top-performing SKUs renting 50% more frequently than the category average and made suggestions to bolster such items and departments
- Worked primarily in excel pivot tables for ease of visualization and rental tracker for inventory database corrections
- Edited images of incoming stock in then uploaded new SKUs with images to the database

COLLABORATION AND MENTORSHIP

WSTEM (Woodbury Steam Club)

Treasurer

August 2024 - April 2026

- Managed the budget for an on-campus STEM club
- Spearheaded technical workshops for a 30-member peer community, mentoring students on introductory python workshops, web development fundamentals, and even hosting hands-on building sessions

WUGU (Woodbury Gaming Club)

Treasurer

August 2023 - May 2024

- Coordinated large scale events to drive the club's engagement and revenue cross-campus like a Super Smash Bros tournament that was open to all students, we had 40 people participate our first tournament