

Ira Throne

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SUMMARY

Data scientist by training with nearly 3 years of business operations analysis. At Amazon, I build the Excel reporting, cost models and VBA automation a delivery station runs on; in personal projects, I build data pipelines in Python and PostgreSQL.

WORK EXPERIENCE

AMAZON

Huntington Beach, CA

Area Manager (Analytics & Automation)

September 2024 to Present

- Rebuilt a weekly Excel report on damaged and misrouted packages, tying failures to late deliveries and refunds, with an AI written summary; resolution rate rose from 65.9% to 73.6% in 10 weeks and refunds fell \$5K a week
- Built a VBA tool that turns the daily route plan into van loading assignments for about 200 delivery routes, cutting a 30 minute daily task to 3 minutes (about 160 hours a year)
- Automated the daily DOT vehicle inspection list in VBA, cutting 5 to 7 minutes to 1 and eliminating retyping errors
- Built a labor cost model showing a new same-day delivery shift would cost 15% less sorted outside the main rack system than under corporate's plan; the plan changed, actual costs matched the model, and left-behind packages fell to 0 to 1 per shift
- Found one sorting section caused 70% of left-behind packages on 14% of volume; my layout change cut them by two thirds
- Traced 4 of 5 late departures to driver check-ins and redesigned route assignment; on-time rate rose from under 95% to 98%
- Promoted from L4 to L5 in April 2026

UCLA UNDERGRADUATE WRITING CENTER

Los Angeles, CA

Data Analyst | Administrative Assistant

September 2021 to June 2022

- Forecast demand across 1,000+ students in Excel to schedule 15 staff each quarter; unused blocks fell 13% and waits 20 minutes
- Built usage reports and visualizations that informed staffing decisions

EDUCATION

UNIVERSITY OF CALIFORNIA, RIVERSIDE

Riverside, CA

Master of Science in Engineering (MSE), Data Science

December 2023

- GPA: 3.8 | Relevant Coursework: Database Management Systems, Data Mining Techniques, Applied Data Science

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

Bachelor of Arts (BA), Linguistics and Computer Science

June 2022

- GPA: 3.5 | Relevant Coursework: Algorithms and Complexity, Programming Languages, Probability

PROJECTS

Grid

Python, PostgreSQL, scikit-learn, REST API's, AWS

- Built a live California grid dashboard (ira-t.net/grid) on a Python and PostgreSQL pipeline loading CAISO data every 5 minutes
- Forecast next day demand, solar and wind with gradient boosting; solar matched CAISO's own forecast (9.7% vs 9.8% error)

Car Price Prediction

Python, NumPy, scikit-learn

- Built a decision tree regressor from scratch in NumPy on German used car listings; matched scikit-learn's accuracy (R^2 0.75)

Countries, Cities and Languages

Excel, Power Pivot, VBA

- Built a multi-table Power Pivot data model with INDEX/MATCH and SUMIFS, eight PivotTables with slicers, and a VBA macro

RESEARCH EXPERIENCE

SOCIOLINGUISTIC STUDIES

University of Toronto Press

Ukraine in Transition: Language Shift Among Russophone Vloggers

Published in December 2025

Co-authored with Dr. Daria Bahtina

<https://doi.org/10.3138/SS-19-3-4-0005>

- Identified an emerging language shift pattern in Ukraine and sourced the video material for the study
- Annotated 10+ hours of video, coding speech as Russian, Ukrainian or mixed, and built the visualizations presenting the findings

SKILLS

Technical: SQL, Python (pandas, scikit-learn, Plotly Dash), Excel (VBA, Power Pivot), Power BI, AWS, Linux, REST API's

Methods: ETL pipelines, job scheduling, data validation, data modeling, statistics, machine learning, forecasting, LLM automation