

Cell: [REDACTED]

## HIGHLIGHTS

- Experienced data/product analyst using data mining and statistical modeling to make business decisions
- Proficient database/ETL skills; constructing data pipeline with reliability, accuracy and ease of use
- Successful leader and project manager in market research, ecommerce, growth, metrics development and product strategy. Strong communication skills via efficient data visualization and presentation
- Tool kit: Python; Generative AI (agents, API), Git, Unix command line; SQL, BigQuery, Postgre, AWS S3; R, Excel, SAS; Tableau, Google Analytics, GIS; CRM

## WORK EXPERIENCE

**Senior Data Scientist** Jun 2021-Present  
**Pinterest Inc** San Francisco, CA

- o Implemented GPT-4 based evaluation workflow for Annotation V7, reducing cycle time from months to hours (30k evaluations in 30 minutes), saving \$75K+ annually, *enabling 150% faster updates*
- o Led development of Trending Content signal using taxonomy building, LLM tuning, TF-IDF and anomaly detection; analysis of 1,600+ trending topics demonstrated 15-20% *engagement improvement*
- o Developed OKR evaluation methodology and enabled critical changes to Search Intent Fulfillment metrics, leveraging neural network, gradient boosting models, *Bayesian-based metrics*, causal inference, resulting in 8% *improved retention* and 30% *faster experiment cycles*
- o Supported Your Shop launch to 3.5M+ WAU. Optimized Shopping Units module with tree style models (e.g. Random Forest, XGBoost), improving CTR by 40% *while maintaining 95% relevance*

**Data Scientist** Nov 2019-Jun 2021  
**Meta Inc** Menlo Park, CA

- o Led ranking algorithm optimization at Facebook Marketplace via gradient boosting and logistic regression, driving +40% growth in e-commerce DAU (2020 H1) and 100% increase in hires of Job vertical (2020 H2)
- o Architected end-to-end data pipeline, designed and analyzed experiments (A/B testing) on a weekly basis. Supported successful launch of 20+ projects and improved retrieval and conversion efficiency by 50%
- o Built predictive models using supervised and unsupervised learnings to (XGBoost, clustering etc) to optimize funnel efficiency, reducing cold start problems by 35% and improving listing quality scores by 28%
- o Improved comprehensive user targeting and personalization via collaborative filtering, identifying high-value acquisition channels that increased session growth and user retention in rental and auto verticals by 45%

**Product Analyst (Data Science)** Oct 2016-Feb 2019  
**Google Inc** Mountain View, CA

- o Designed and implemented automated sales forecasting models for Pixel phones using ARIMA time series models, reducing data collection time by 50% and improving forecast accuracy by 22%
- o Built various models on price elasticity, customer lifetime value estimation, user segmentation (fixed effect regressions, Random Forest, K-means clustering). Identifying expansion opportunities worth \$40M+ annually
- o Created interactive dashboards and metrics tracking systems used by executive leadership weekly to drive product strategy decisions across 5 Google hardware product lines

## EDUCATION

Ph.D. in Economics [REDACTED]  
B.S. in Economics & Mathematics [REDACTED]