

Chivon E. Powers

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SUMMARY

Machine learning and data science leader with deep expertise in predictive modeling, experimentation, and analytics. Proven success deploying ML/statistical methods in production to drive impact across fintech, SaaS, and consumer products. Skilled in collaborating cross-functionally with product, engineering, and executive teams.

TECHNICAL SKILLS

- **Languages:** Python, SQL
- **Libraries & Frameworks:** scikit-learn, XGBoost, Transformers, Lifelines, PyTorch, TensorFlow
- **Tools & Platforms:** DBT, BigQuery, Vertex AI, Databricks, Azure ML, GCP, Spark, LangChain, LangSmith
- **Methods:** A/B testing, segmentation, time-series analysis, product analytics, LLMs, Agentic AI, LLM-as-a-judge evaluation, Prompt Engineering, Multi-agent system orchestration

EXPERIENCE

Intellica

Sep 2025 - Feb 2026

Lead AI Engineer

Remote

- Led deployment of a production multi-agent LLM system using LangGraph and LangChain; optimized orchestration and reduced end-to-end graph latency by 50%.
- Designed tool-calling and prompt architectures and ran structured A/B experiments in LangSmith on curated evaluation datasets, resulting in higher response quality as reflected in improved evaluation scores
- Built LLM regression testing framework integrated into CI/CD, gating model updates and preventing quality degradation during rapid iteration.
- Developed internal human-in-the-loop annotation platform to capture structured feedback and accelerate model refinement cycles.
- Partnered with executive leadership to define AI roadmap and establish measurable evaluation standards for production AI systems.

Butter Payments

Aug 2024 - Jul 2025

Data Scientist / Data Product Manager

Remote

- Estimated revenue and lift for new product ideas and A/B variants to guide roadmap decisions
- Partnered with ML engineers on payment routing experiments estimated to have lifted yearly revenue recovery for a single customer by \$750k
- Led development of the Payment Insights Dashboard: authored PRD, delivered MVP, and demoed to clients
- Prototyped a payment segmentation model enabling more targeted product and marketing strategies that improved campaign relevance

Rocket Money

Oct 2021 - Aug 2024

Senior Data Scientist

Remote

- Delivered \$600K+ annual cost savings via optimized billing retry logic
- Modeled churn with gradient-boosted trees and survival analysis in Azure ML, then applied the predictions to target strategic experiment cohorts, enabling data-driven product changes that reduced churn
- Built in-house tools (eg, sample size, estimated run time, and z/t-test calculators) to streamline and scale product A/B testing

Microsoft

Jul 2018 - Sep 2021

Senior Data & Applied Scientist

Remote

- Developed algorithms to detect recurring payments, flag large transactions, and track cash flow using Excel, enhancing transaction monitoring and customer insights
- Deployed real-time drive-detection accuracy scoring and feedback pipelines on Azure, which lowered detection latency and improved scoring reliability for the MileIQ product
- Ran A/B tests for Outlook/MileIQ features and built PySpark pipelines to evaluate model performance, enabling data-driven decisions that increased feature adoption and model accuracy

Eaze

Oct 2017 - Apr 2018

Data Analyst

San Francisco, CA

- Developed a 24-month cohort-based LTV model by extrapolating from 12-month customer purchase data, enabling finance and growth teams to generate more accurate revenue forecasts
- Automated monthly updates with refreshed actuals to provide reliable forecasts for finance and growth teams
- Guided revenue accounting and CAC thresholds, revealing cohort spend trends tied to pricing, fees, and regulatory shifts

Axiom Corporation

Apr 2016 - Dec 2017

Data Science Manager

Redwood City, CA

- Co-invented data security patents and developed an NLP-powered data catalog search tool, enhancing data retrieval efficiency

- Collaborated with Analytics consulting group to convert credit underwriting models to R from SAS, from serial to parallel processing, and optimized for time. Reduced test runtime to 1/7 the serial runtime using Enterprise R, SparkR in Azure cloud

EDUCATION

Northwestern University, Chicago, IL

Ph.D., Cognitive Neuroscience

Northwestern University, Chicago, IL

M.S., Experimental Psychology

University of California, Davis

Postdoctoral Fellowship

SELECT PROJECTS

Interview Proxy - AI Agent App | www.chivonpowers.com

Personal Project

- Embeds my resume and CV (PDFs) into FAISS and retrieves relevant resume sections using vector search
- Uses OpenAI embeddings and LLMs to generate intelligent streamed responses with fast and interactive UX

Billing Optimization (Rocket Money)

Rocket Money

- ML-based retry logic reduced failed payments and increased recovery

Subscription Detection (Microsoft)

Microsoft

- Classifiers to detect recurring payments and enable personalized insights

PATENTS

- Search Term Extraction and Optimization from Natural Language Text Files. *U.S. Patent No. 11,704,350 – Jul 18, 2023*
- System and Method for Identifying Leaked Data and Assigning Guilt to a Suspected Leaker. *U.S. Patent No. 11,350,147 – May 31, 2022*
- Statistical Fingerprinting of Large Structured Datasets. *U.S. Patent No. 11,163,745 – Nov 2, 2021*

PUBLICATIONS

- **Comprehensive List of Publications:** scholar.google.com/citations?user=bUooL-UAAAAJ&hl=en