

# David G. Shatsky

650-867-7345 | shatsky.david@gmail.com | New York, NY

Data Science grad and startup co-founder with experience in data analytics, capital markets, and fintech

## EDUCATION

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UNIVERSITY OF WISCONSIN-MADISON

Madison, WI

BA in Data Science, Economic Analytics Minor | GPA: 3.6

September 2021 - May 2025

- **Relevant:** Machine Learning/AI, Econometrics, Statistical Modeling, Database Development, Linear Algebra

## SKILLS

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- **Programming:** Python, SQL (PostgreSQL, MySQL), NoSQL (Firebase, MongoDB), Postman, REST APIs
- **AI/ML:** RAG pipelines, vector databases, embeddings, predictive analytics, ensemble models
- **Data/Product:** Funnel analysis, retention modeling, QA testing, cross-functional collaboration

## WORK & LEADERSHIP EXPERIENCE

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LOKIN, CO-FOUNDER

August 2024 - Present

- Led product strategy for an AI-native platform that automates core startup processes for students; grew to 500+ users with 15+ teams formed in the first 3 months of launch
- Identified onboarding friction through embedded feedback channels, usage analytics, and user research; redesigned profile creation flows which improved profile completion from 3% to 50% of signups
- Coordinated engineering and marketing teams to ship end-to-end features: chatbot with RAG over campus resources, competitor intelligence API, and teammate matching algorithm

TP ICAP, FX OPTIONS JUNIOR BROKER; SUMMER ANALYST

New York, NY | July 2025-Present; June-August 2025

- Manage the creation, pricing, and execution of complex over-the-counter foreign exchange options strategies
- Built a volatility risk premium monitor tracking implied vs. realized vol and term structure shifts; originally a personal tool, now used desk-wide to identify volatility regime shifts
- Identified gaps in desk coverage for high-margin exotic options; trained in London with the firm's global exotics lead; now sole broker on desk pricing and quoting exotic structures to clients
- Partnered with product and dev teams to extend deal management system support for more complex option structures, 30% of manual tickets now auto-pass effectively reducing trade processing time

ABEL NOSER, DATA ANALYSIS INTERN

New York, NY | June - August 2023

- Delivered post-trade analytics to institutional clients across equities, FX, fixed income using Python and SQL
- Conducted migration of 1+ petabytes of data to Apache Cassandra, enhancing infrastructure scalability
- Designed and prototyped an anomaly detection system to flag potential insider trading; identified unusual stock price movements ahead of correlated ETF baskets using K-Means clustering

## PROJECTS

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- Shipped automated trading system for climate-based prediction markets: identified edge via probability-calibrated random forest predictions, built risk controls, and deployed on live capital. Currently running profitably (61% win rate) with zero manual intervention for 2+ months
- Built competitor intelligence API for startup validation. Engineered intelligent query refinement for ambiguous product concepts, structured competitor extraction with tiered classification, and automated source/company verification. Delivers actionable pitch-ready reports in <30 seconds. Used by Lokin users and available as a standalone tool

**EXTRACURRICULAR:** CS-NEST Startup Incubator (backed by gener8tor), Data Science Club, Capital Management Club

**HOBBIES:** Soccer (varsity team captain, club national champions, France football academy), Chess, Surfing, Skiing