

Jared Donohue

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[Personal Website](#) | [LinkedIn](#) | [GitHub](#) | [Google Scholar](#)

Staff Research Associate at Columbia Business School and former Amazon PM & Software Engineer. M.S. in Data Science focused on experimentation and causal inference with first-author publication in *Scientific Data*.

EXPERIENCE

Columbia Business School

New York, NY

Staff Research Associate

Jan. 2026 – Present

- Built online web experiment (Python, HTML, Javascript, oTree, Heroku, Prolific) to study AI code adoption decisions among software developers. Led IRB completion.
- Built SQL database (DuckDB) for causal analysis of Optimizely data for 2,000+ firms to study AI's impact on experimentation practices.
- Built data pipeline combining 500GB of time-series data to analyze EV charging station utilization, pricing, and charging behavior patterns nationwide.

Amazon

New York, NY

Senior Product Manager, Alexa Smart Displays

Mar. 2023 – Jan. 2025

- Founded and led an experiment review program serving 50+ PMs and engineers, setting design standards for A/B/n tests with up to 25 variants, overlapping experiments, and long-term holdouts.
- Defined a new “visual relevance” metric and 4-annotator labeling workflow for Alexa+, Amazon's generative AI assistant, lifting visual response quality from 60% to 94% in 6 months.
- Grew screen engagement 5X, from 0.5% to 2.5% in 12 months, through content funnel analysis and 10 A/B tests on UX redesigns and personalization.

Amazon

Boston, MA

Product Manager, Alexa Answers Website

Mar. 2021 – Feb. 2023

- Grew Alexa Answers MAU 8X, from 5,000 to 40,000 in 12 months, by running 15 A/B tests on the conversion funnel and scaling acquisition across mobile, email, and SEO.
- Ran mixed-methods research in SQL and Qualtrics to identify inconsistent content moderation and low question quality as the top churn drivers, then prioritized the fixes that shipped.

Amazon

Boston, MA

Software Development Engineer I-II

Mar. 2017 – Feb. 2021

- Designed and built experiment routing service powering A/B tests of Alexa ML model variants, used for 50+ daily model changes and experiments across organization of 100+ data scientists.
- Built 20+ full-stack web app features for Alexa's ML model life-cycle management system.

EDUCATION

Columbia University

New York, NY

M.S. in Data Science

Aug. 2024 – Feb. 2026

- Data Science Institute Scholar. Published *Structured dataset of reported cloud seeding activities in the United States (2000–2025) using an LLM* in *Scientific Data* journal (Nature Portfolio).
- Guest Lecturer at CUNY Graduate Center: *Using LLMs for Science* (slides available on request)

George Mason University

Fairfax, VA

B.S. in Computer Science

Aug. 2012 – Dec. 2016

- Computer Science Teaching Assistant for CS310: Data Structures (Java)
- School of Engineering Peer Mentor

SKILLS

Behavioral Research, Experimentation & Causal Inference: A/B and multivariate A/B/n testing, A/A tests, overlapping experiment design, long-term holdouts, heterogeneous treatment effects, difference-in-differences, event study designs, parallel trends diagnostics, clustered standard errors, power analysis, Frequentist and Bayesian inference, preregistration, oTree, Prolific, Optimizely

Product Analytics: SQL, large-scale customer event-logging & behavioral analytics infrastructure, funnel and cohort analysis, defining and tracking business metrics, GA4, PostHog, session replay, Excel/Google Sheets, qualitative and quantitative user research (Qualtrics), customer insights

Software Engineering & Data: Python, R, Java, PostgreSQL, database design, ETL and data pipelines, web development (JavaScript/HTML/CSS/REST/web services), Git, GitHub, Cursor, Claude Code, LLM extraction pipelines, prompt engineering, API integration (Anthropic, OpenAI)