JARED DONOHUE

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PROFESSIONAL EXPERIENCE

Amazon, Senior Product Manager - Technical — **Boston, MA** — **2020 – 2024**
Alexa

- Increased monthly active users on *AlexaAnswers.amazon.com* from 5,000 to 40,000 in 12 months through product experimentation and launching 3 new marketing channels.
- Increased *Alexa Echo Show* screen interaction rate from 0.5% to 2.5% in 9 months through product experimentation and launching new 2 new content types.
- Launched new question-answering screen on *Alexa Echo Show*, shown 100M times per month, earning 6.0/7.0 satisfaction in external user survey.
- Founded org-wide experimentation guild, scaling yearly experiments run from 5 to 50.
- Led qualitative and quantitative user research for *AlexaAnswers.amazon.*com, publishing monthly user insights and incorporating them into the product roadmap.

Amazon, Software Development Engineer (I-II) — **Boston, MA** — **2017 – 2020**
Alexa

- Built over 15 full-stack web application features to manage Alexa's machine learning models, including internal tools for model storage and deployment.
- Designed and launched new AWS service to route experimental Alexa machine learning models to runtime hosts, enabling A/B testing of model variants.

EDUCATION

Columbia University, M.S. in Data Science — **New York, NY** — **2024 – 2025**
School of Engineering and Applied Science

- Data Science Institute Scholar
- Columbia Build Lab
- Selected Coursework: Design and Analysis of Online Experiments, Causal Inference for Data Science, Philosophy of Science, User Interface Design, Behavioral Economics, Human-Centered Design and Innovation

George Mason University, B.S. in Computer Science — **Fairfax, VA** — **2012 – 2016**
School of Engineering

- Computer Science Teaching Assistant and Peer Mentor

RESEARCH EXPERIENCE

- Peer-reviewed Climate Data Science Paper: "*Structured dataset of reported cloud seeding activities in the United States (2000–2025) using a large language model*" (arXiv). Expected to be published in Scientific Data (Nature) in 2025. **2025**

- Behavioral Economics Research Proposal: "*Strategic Route Choice in Navigation Apps: Testing for Level-K Reasoning*" (research proposal). **2025**

- Behavioral Economics Experiment: "*Markets and Quality Uncertainty: Can Demand-side Information Interventions Restore Unraveled Markets?* (experiment demo). **2025**

STARTUP PROJECTS

- MayahDesign.com. AI-powered interior design platform making it easier to furnish your home. **2025**

- Eatopia.ai. Behavioral nutrition app prototype entered into Columbia Business School's AI Impact Competition. **2025**

- HomeBuying101.com. Interactive guide for first-time home-buying including a negotiation simulator. **2025**

- UrbanWaterRaces.com. Open water swim race directory with city-based filtering. **2025**