Lindsay Gross

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Product-minded AI engineer specializing in LLMs, explainability, and model safety, with experience leading high-impact initiatives across generative AI, trust & safety, and AI governance.

WORK EXPERIENCE

Research Fellow, Deep Tech at Duke, *Durham, NC*   Feb 2025 - Present
- Authoring a case study on the AI application layer for Paladin's "AI Tech Stack" initiative, examining governance, security, and rogue-agent risks in applied AI systems.
- Led the OpenAI-Duke metascience initiative launch, increasing faculty/researcher engagement by ~50% and enabling 5+ new research collaborations in the first quarter.

Trust & Safety Analyst, Tremau, *Remote*   May 2024 - Sept 2024
- Audited a major social media platform's internal risk questionnaire, identifying 15+ compliance gaps across online safety, AI, and content moderation; delivered mitigations adopted by leadership.
- Provided client with compliance recommendations by engaging with the company's Trust & Safety Council, resulting in the client's incorporation of new regulatory and civil society insights in their annual risk assessment.

AI Ethics, Policy and Research Fellow, Metaphysic.ai, *Remote*   Feb 2024 - July 2024
- Co-developed legal and ethical onboarding framework with the Head of Ethics at Metaphysic.ai, resulting in accelerated deployment timelines and improved compliance with the use of hyper-realistic generative AI technology.
- Spearheaded framework implementation strategy with the CEO, successfully onboarding 8 clients within 3 months and achieving 100% compliance with new ethical guidelines.
- Authored a 20+ page policy paper analyzing US copyright law implications in addressing the misuse of AI training models, proposing regulatory adaptations for emerging AI.

Cyber Security Research Assistant, Sanford School of Public Policy, *Durham, NC*   Dec 2023 - May 2024
- Produced a cybersecurity best practices report, analyzing cloud solutions, the NIST framework and effective policymaking. This report was referenced in news outlets such as Politico, Forbes, and the World Economic Forum.

Technology and Public Policy Fellow, Beyond the Screen**, *Durham, NC*   May 2023 - Aug 2023
- Authored five detailed literature reviews on issues including: content moderation, social media's impact on polarization, misinformation, disinformation, and national security, contributing to a public comprehensive database.

EDUCATION

Duke University, Durham, NC   MEng 2025 - May 2026
Master of Engineering, *Artificial Intelligence*
Coursework: AI Product Management, Explainable AI, Data Sourcing & Analytics, Modeling Processes & Algorithms
Duke University, Durham, NC   BA May 2025
Bachelor of Arts*, Public Policy, Digital Intelligence Certificate, Minor in Spanish*
GPA: 3.94 | Cum Laude | Dean's List

LEADERSHIP EXPERIENCE

Vice President & Co-founder, Duke Tech for Change, *Durham, NC*   Aug 2024 - Present
- Co-founded the Duke branch of Tech for Change, a national network of students interested in utilizing technology to foster a more equitable society.
- Drove a 67% increase in membership in two months by launching and operating a social media presence.

SELECTED PROJECTS
- **Alba:** AI browser extension that surfaces real-time impact estimates ($Wh/CO_2/water$) on ChatGPT and Gemini. Designed explainable footprint labels & prompt-optimizer that reduces token usage & estimated energy use.
- **JobSkills Detector:** Web app matching resumes to job postings using NLP embeddings; designed UX and API backend, boosting job-match accuracy by 20% through user testing.

SKILLS
- **Languages**: English (Native Proficiency), Spanish (Professional Proficiency)
- **Skills**: Stakeholder Management, Competitive Analysis, Product Strategy, Data Analytics, Risk Analysis, Risk Assessment, Project Management, Cross-functional Collaboration, User Testing
- **Technical Skills**: Git, GitHub, Python, NumPy, Pandas, R, APIs, Embeddings, Node.js, Jira, Confluence, Microsoft Office Suite, Notion, Excel, Google Cloud Platform (GCP), JavaScript