

JENNIFER (SHOLA) OYEDELE

AI FOUNDER & INVENTOR

AI founder and inventor, internationally recognized by OpenAI and Mozilla for contributions at the intersection of AI, ethics, and venture development.

me@jenniferoyedele.com | jenniferoyedele.com | linkedin.com/in/jen-sv/

AWARDS & RECOGNITION

Open AI Scholar | San Francisco, CA 2020–2021

- Selected as **1 of 8 participants globally** from thousands of applicants for a **fully funded research residency** at Open AI, the world's leading Artificial Intelligence research lab.
- Research: Scaling Laws for Transformer Architecture Variants. Ran experiments across Reformer, Transformer XL, and BERT to identify cost-efficient configurations and reduce inference costs for production AI deployment. Presented at Open AI Scholars Demo Day.
- **Featured in Open AI's published research notice** with video and presentation: openai.com/index/openai-scholars-2021-finalprojects/#shola

Mozilla Creative Media Award | Virtual, Amsterdam 2023

- Selected as **1 of 11 recipients globally** by the Mozilla Foundation recognizing leadership at the intersection of technology, ethics, and culture.
- Awarded the **maximum grant of USD \$30,000**, a full year of dedicated production time, unlimited PR and in-house team support, and an international residency in Amsterdam, to produce a documentary on AI's societal impact on entrepreneurship
- The granting body for CMA includes the Ford and MacArthur Foundations. **Past recipients have gone on to win Emmy Awards and exhibit at the Tate Modern**, placing this among the most prestigious recognitions at the intersection of technology and the arts.
- **Press Announcement:** <https://www.mozillafoundation.org/en/blog/announcing-11-projects-exploring-ai-and-responsible-design/>

Material Change Institute Fellow & CDL Mentor | Various International Locations 2024-2025

- Selected for **MCI's year-long international fellowship** which provides structured immersion in venture capital through online and in-person meetings across multiple international cities, with exposure to MCI's global network of investors and technical operators.
- **Mentored seed-stage startup teams** within the Creative Destruction Lab (CDL), one of the world's most selective **deep tech accelerator**, operating in cities at leading universities around the world. **CDL companies have generated over CAD \$51 billion in equity value.**

- Supported founding teams across aerospace, construction, and AI, covering MVP development, investor introductions, and go-to-market strategy through remote and in-person work at **CDL-Calgary**.
- Built relationships across CDL's global investor and operator network including through the **CDL-Melbourne hub at Monash Business School**, establishing a direct professional connection to Australia's deep tech and innovation ecosystem.

LEDA Alumni Honoree · Excellence, Integrity & Community Award | New York 2025

- Presented with a named award at LEDA's 2025 Annual Celebration in recognition of **nearly 20 years of sustained contribution** spanning alumni board membership, annual mentorship of incoming Scholars, and advocacy for first-generation talent in technology.
- LEDA is a **nationally selective fellowship and summer residency** for exceptional first-generation college-bound students, hosted at Princeton University (and now Yale). Alumni go on to lead at top technology companies, investment firms, and nonprofits.
- **Press Announcement:** <https://ledascholars.org/2025-annual-celebration/>

Inclusive Design Institute (IDI) Senior Fellow | New York 2025

- **Research fellowship** focused on building frameworks to combat digital misinformation.
- Recognizes technical practitioners with demonstrated expertise at the intersection of **Responsible AI**, Inclusive Design, and Technology Ethics.

PATENTS & INTELLECTUAL PROPERTY

Adaptive External Context State Management in LLMs Filed 2025

- **Invented a persistent adaptive memory architecture** enabling large language models (LLMs) to retain and evolve critical knowledge across sessions, a foundational requirement for reliable long-running autonomous agents.
- **Addresses core long-horizon LLM failure modes:** persona drift, directive loss, hallucinations, and cross-session inconsistency, problems at the frontier of current AI reliability research.

Persistent Trust Priors in LLM Token Filed 2025

- **Invented a persistent authority prior** that conditions token selection in LLMs to dynamically rank information sources by assessed reliability, improving factual accuracy and reducing adversarial input influence.
- Targets failure modes central to **AI trustworthiness:** hallucinations, source unreliability, and context degradation under token pressure.

Multi-Agent Alignment via Role Contracts, Proposal Validation, Resource Budgeting 2025

- **Invented an agentic coordination framework** that aligns autonomous agents through defined role contracts, proposal validation, and resource budgeting.

- Addresses structural failures in agentic AI systems: role confusion, redundant computation, coordination overhead, and weak accountability, directly relevant to safe deployment of autonomous agent networks.
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WORK EXPERIENCE

Shola Ventures | Founder & CEO 2023–Present

- Built an AI-first company, generating **approximately AUD \$380,000 in annual revenue**.
- Served as **AI Director for a major institutional fintech platform** under a year-long contract, led the company's first production AI deployment, developed AI strategy, and managed all internal AI projects from initiation to launch.
- Trained AI models to **predict portfolio returns and classify investment opportunities** from proprietary financial data; designed domain ontology mapping financial concepts to material assets, enabling actionable AI-powered recommendations

Apprente AI (acquired by IBM) | Staff Software Engineer 2020 - 2023

- Designed **regionally adaptive NLP features** handling linguistic variation and accents across global markets, shipped as part of McDonald's voice ordering system, one of the world's most widely deployed voice AI systems.
- Built ML hardware consumption analysis tool identifying **\$2M in cost savings** and 15% reduction in operational spend. Redesigned ETL data pipeline, reduced processing time by **30%**, enabling international platform expansion.

IBM | Senior Software Engineer 2018–2020

- Built and deployed product features for IBM's manufacturing and industrial division, **servicing major global enterprises including Cisco and BP** across oil, construction, electronics and hardware sectors.
- Led a team of **6 engineers** across engineering, product, ML and UX functions, directing feature development to meet the scale and compliance requirements of multinational clients.

Walker & Company (acquired by Procter & Gamble) | Software Engineer 2015–2017

- Built data infrastructure for growth experiments that **increased revenue by 15%**

Intuit | Software Engineer II 2014–2015

- Promoted from Software Engineer I. Designed and scaled Financial Insights microservice supporting **5M+ concurrent users** across multiple product lines.
- Improved Search API latency from **4 minutes to 10 milliseconds**, enabling real-time functionality for millions of users.

EDUCATION

Stanford University 2009–2014

Bachelors of Science in Science, Technology & Society

Computer Science Minor, African & African American Studies Minor

LEDA Scholar 2009

Nationally selective residency for exceptional first-generation leaders. **Hosted at Princeton.**

COMMUNITY & MENTORSHIP

Science is Elementary Board Member 2024

Nonprofit organization brings hands-on science education to elementary school students

AI Safety Camp Participant 2023

Contributed to a behavioral annotation framework for AI alignment research as part of an ongoing engagement with the global AI safety practitioner community.

LEDA Alumni Board Member 2019

Board member and annual mentor to incoming LEDA Scholars across nearly 20 years of sustained engagement with the organization.

EXECUTIVE SUMMARY

As an AI founder with a decade of experience at the intersection of AI, ethics, and venture development, Jennifer is internationally recognized by OpenAI, the world's leading AI lab, and Mozilla, a global leader in trustworthy AI and digital rights, for her contributions to the global tech landscape. Through her work she has earned a place in some of the world's most selective technology communities, spanning OpenAI's research lab, CDL's global accelerator network, MCI's international investor community, and Mozilla's foundation ecosystem.

That breadth of network and technical depth gives her a rare ability to bridge AI innovation and ethical governance, transforming complex AI challenges into scalable, deployable systems and investment-ready ventures. That commitment to building AI that is not only capable but trustworthy runs through her research, her patents, and her public advocacy and positions her to contribute meaningfully to Australia's emerging AI safety ecosystem.