Lana Duke

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EDUCATION

Georgia Institute of Technology | Atlanta, GA   *Jul 2022 – Dec 2025*
Bachelor of Science in Computer Science & Economics   *Faculty Honors, Dean's List*
(Concentrations in Artificial Intelligence & Information Networks)

University of Oxford | Oxford, UK   *Study Abroad, Fall 2022*

EXPERIENCE

J.P. Morgan Chase | Jersey City, NJ   *Jun 2025 – Aug 2025*
Commercial & Investment Bank Summer Analyst
- Designed AI-powered profitability dashboard (Tableau + Databricks/BRIE) with auto-insights & PM chat, cutting analysis from 25 hrs to 5 minutes and enabling faster data-driven product decisions.
- Developed LLM workflow to diagnose overdrafts and recommend actions, reducing investigation time by 80% and informing product risk/reward tradeoffs.
- Drove US Notional Pooling product discovery with KYP draft, credit/facility analyses, and centralized Gantt plan to accelerate go-to-market.

Estée Lauder | New York, NY   *Jun 2024 – Aug 2025*
E-Commerce Intern
- Owned campaign briefing for daily emails & seasonal launches (e.g., Black Friday), aligning cross-functional teams for on-time creative delivery.
- Enhanced customer shopping experience by auditing site performance, delivering CMS-driven UX updates (HTML/CSS), and benchmarking competitors, boosting CTR by 10%, CVR by 6%, and AOV by 4% during key campaigns.

Bristol Myers Squibb | Princeton, NJ   *Feb 2024 – Jun 2024*
System Engineer Intern
- Integrated ML (TensorFlow) into Oracle → SAP S4/HANA migration, automating corrections and improving efficiency/accuracy.
- Initiated development of diagnostic dashboard & guidelines to optimize PO & Vendor workflow.

RESEARCH AND PROJECTS

Natural Language Processing for Financial Markets | Atlanta, GA   *Jan 2024 – May 2025*
- Improved stock movement prediction by 3% accuracy via fine-grained event modeling.
- Led annotation of 1,000+ monetary policy statements for sentiment classification (Hawkish/Dovish/Neutral), enhancing LLM performance evaluation across GPT-3, FinBERT, RoBERTa, Claude, and LLaMA via Hugging Face.
- Designed and tested numerical reasoning benchmarks on credit card agreements to assess financial domain comprehension in LLMs, simulating complex user prompts in real-world QA scenarios.

Green Plate App | Atlanta, GA   *Jan 2024 – May 2024*
- Built full-stack Android grocery planner with 8+ user-facing screens (recipes, pantry, shopping, spend/health visualizations) in Android Studio using Java, XML, HTML/CSS, and Firebase Auth & Realtime DB, helping users track calories and macros to eat cleaner and healthier while planning meals efficiently.

Florence Local Businesses | Florence, NJ   *Jan 2021 – Jun 2022*
- Designed and launched a platform in HTML for 100+ local businesses, improving online accessibility and visibility for community members.
- Built partnerships and facilitated funding negotiations to sustain and scale the platform's operations.
- Delivered customized web solutions that broadened businesses' digital presence and increased customer reach.

LEADERSHIP AND ACTIVITIES

Georgia Tech Girls Who Code | Atlanta, GA   *Aug 2024 – Present*
- Served as a college mentor, teaching students K-12 the basics of coding and AI using Python.

Georgia Institute of Technology Society of Women in Business | Atlanta, GA *Jan 2023 – Present*
- Networked with top executives at Goldman Sachs, PwC, Bank of America, Morgan Stanley, Capital One, and other financial consulting firms and mentored peers on interview prep and career tips.

SKILLS

- Concepts: NLP, ML/AI, Data Analytics, Model Evaluation, Computer Vision, Data Structures & Algorithms
- Languages: Python, SQL, R, Java, JavaScript, HTML/CSS, C/C++
- Technologies: TensorFlow, Hugging Face, Excel, PowerPoint, GitHub, React, Jira, .NET, Tableau, Alteryx
- Soft skills: Analytical thinking, cross-functional collaboration, project coordination, adaptability