

Lindsay Schwartz | Full Stack Software Engineer

LindsaySchwartz.com | 248-320-1588 | lindsay@lindsayschwartz.com | [LinkedIn](#) | [GitHub](#)

Full-stack software engineer and Georgia Tech OMSCS student who builds tools because software is harder to use than it should be. Works end to end, from ML pipelines and data layers to the interface, turning complex data into something people can act on. Backgrounds in design and nutrition counseling are where the instinct comes from.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, HTML, CSS/SCSS, Bash/Shell

Frameworks & Libraries: FastAPI, Flask, React, Angular, Node.js, SQLAlchemy, PyTorch, NumPy

Infrastructure & Data: PostgreSQL, MySQL, MariaDB, Docker, Linux, Git/CI/CD, Splunk, AWS (EC2)

Architecture & Practices: REST APIs, Microservices, Computer Vision, Unit Testing, Generative AI, Auth/SSO

Professional Engineering Experience

Software Engineering Intern | *Rocket* | *Remote*

May 2025 – April 2026

- Built full-stack features for an internal support app used by ~50 agents (Angular/TypeScript frontend, NestJS/Node.js backend, BFF architecture) as a full contributing engineer on a 7-person team. Earned "Exceeded Expectations" on all performance reviews, resulting in two internship extensions.
- Initiated agent shadowing sessions that surfaced tooling gaps and shaped several new features. The practice caught on, and the BA formalized it as monthly cross-team meetings.
- Integrated multiple internal corporate services into the BFF, coordinating with other teams' engineers. Built a credit report viewer, a client information update tool, and a debt comparison feature aggregating two distinct systems into a single agent view, the first time the app handled SSNs and requiring careful attention to data-handling standards.
- Refactored the in-app feedback flow and configured Splunk alerts piped to the team's Slack channel, turning unmonitored logs into an actionable feedback loop.
- Consolidated 8 messaging components into a single reusable, prop-driven component, making future changes a one-place fix. Resolved an SCSS incompatibility blocking an Angular upgrade and completed the migration.
- Used prior design background to mock up new features and validate them with agents before development, catching issues before they reached code.

Technical Projects

Forager | *Full Stack Ecological Intelligence App* | [GitHub Repo](#) | [View Forager Live](#)

Feb 2026 – Present

- Designed and built a full-stack app that identifies wild edible plants and fungi from a photo, streaming back species, safety, nutrition, and weather data. React/TypeScript, FastAPI/async SQLAlchemy, PostgreSQL, deployed on a single AWS EC2 instance via Terraform and Docker Compose to keep costs minimal.
- Trained an image classifier to 95.7% accuracy across 101 plant/fungi species on ~177K iNaturalist images (EfficientNet-B7, three-phase fine-tuning, six-technique regularization stack). Scaled up from a 70.9% B3 baseline once analysis showed the larger model was needed to separate look-alikes.
- Cut hosting to a CPU-only instance by exporting a dual-output ONNX model returning logits and feature maps in one forward pass, letting the backend compute CAM heatmaps in pure NumPy (no GPU).
- Architected the response pipeline for resilience as an async generator over Server-Sent Events: each stage persists to PostgreSQL as it completes, so a downstream failure never discards earlier results.
- Designed a deterministic safety layer that pulls verdicts from a curated, citation-backed knowledge base instead of an LLM, defaulting to caution on missing or low-confidence data. Covered by Pytest integration tests against real Postgres in GitHub Actions CI.

Citizen Science App for Kids | *OSU Capstone – Sole Backend Engineer* | [GitHub Repo](#)

2024

- Sole backend engineer on a 4-person team building a citizen science platform for K-12 classrooms, where teachers create custom observation forms and students submit field data via a shared project code, no login required. Built a Flask REST API (app-factory pattern) with session-based auth, Bcrypt hashing, and ownership-based authorization, serving both a mobile field app and an admin web dashboard.
- Designed relational schema (MySQL/SQLAlchemy/Alembic), using soft deletes so editing a project's form never corrupted earlier observations. Built Chart.js dashboard visualizations and wrote a Pytest suite; deployed on Railway.

Education

Master of Science in Computer Science | *Georgia Institute of Technology* | Jan 2025 – Present

Bachelor of Science in Computer Science | *Oregon State University* | Dec 2024

Bachelor of Fine Arts in Graphic Communications | *College for Creative Studies*

Prior Professional Experience

Integrative Nutrition Counselor | *Circle of Life Nutrition & Nourishful Life (Personal Practice)*

2017 – 2021

Founded and ran a private practice end-to-end, from client acquisition to delivery. Translated complex evidence-based data into clear, actionable plans. Frustration with client-facing tools sparked the pivot into engineering.

Graphic Designer & Art Director | *Freelance & Contract*

2009 – 2019

Partnered with marketing and product teams on user-facing content for clients, including Quicken Loans (now Rocket) and Renaissance Media. Coded HTML/CSS email campaigns and contributed to the Fathead website redesign.