Nathan Lin

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EDUCATION

Georgia Institute of Technology Expected: May 2027
MS, Human-Computer Interaction · 4.0 GPA Atlanta, GA

Georgia Institute of Technology August 2022 — May 2025
Bachelor of Science, Computational Media · Dean's List 4 semesters · GPA: 3.6 Atlanta, GA
Threads: Artificial Intelligence and Interaction Design

Relevant Coursework: HCI Foundations · Psych Research Methods for HCI · Principles of Interaction Design · Principles of Information Design · Data Structures and Algorithms · Artificial Intelligence · Machine Learning · Cognitive Science

EXPERIENCE

ADP Atlanta, GA
UX Designer/Researcher - (Industry-Sponsored Project) August 2025 – December 2025

- Conducting mixed-methods research with salaried and hourly employees (interviews, surveys, and competitive analysis) to uncover differences in motivations, pain points, and engagement behaviors in ADP's mobile app.
- Designing and iterating low to high-fidelity Figma prototypes that integrate gamification and new self-service features (e.g., PTO tracking, time-clock flows), incorporating feedback from **10+** stakeholders across ADP and Georgia Tech.
- Synthesizing research insights into actionable design requirements, creating personas and journey maps to guide prioritized redesigns that expand app engagement and usability across diverse employee groups.

Georgia Institute of Technology Atlanta, GA
Graduate Teaching Assistant — Future of Work Seminar August 2025 – December 2025

- Facilitated biweekly seminar discussions with **10** graduate/PhD students, guiding conversations on how emerging technologies shape workplace practices and worker well-being.
- Reviewed **100+** reflections and papers, detailed feedback that connected literature, case studies, and design implications.

AwareHome (SmartBathroom Research Initative) Atlanta, GA
UX Researcher & Systems Designer May 2024 – August 2025

- Built a full-stack system to stream real-time pressure sensor data from smart toilet seats used by elderly participants, integrating a Flask API backend with InfluxDB to provide occupational therapists with monitoring and analysis.
- Led both development and UX research by interviewing **8** occupational therapists across **3** testing cycles, incorporating their feedback into system features and data visualizations while ensuring data integrity and clinical usability.
- Designed and implemented **20+** RESTful endpoints to support CRUD operations and session-based queries, improving backend scalability and enabling dynamic data access across multiple homes, seats, and participants.

SellRaze Atlanta, GA
Full-Stack Developer October 2024 – March 2025

- Contributed to developing the desktop version of SellRaze's AI-powered e-commerce platform, focusing on responsive design and enhancing usability with TypeScript, React, and Tailwind for a seamless multi-device experience.
- Improved AI-powered listing automation feature using computer vision and barcode scanning, reducing manual entry time by 80%, increasing listing accuracy by **30%**, and boosting seller engagement across eBay, Facebook, Depop, and Mercari.
- Streamlined sales, shipping, and customer messaging workflows, enabling sellers to efficiently manage cross-platform inventory and communications from a single, centralized dashboard for over **200k users**.

VIP Program – Medical Imaging Atlanta, GA
AI Medical Imaging Developer August 2023 – December 2024

- Built CNN models (EfficientNet, ResNet) in collaboration with Emory for COVID-19 detection using X-ray image datasets in PyTorch, reaching **90%** accuracy within 6 epochs.
- Experimented with active learning, Bayesian optimization, and Monte Carlo dropout to improve early detection performance.
- Developing a multimodal fusion model combining image + tabular inputs to enhance classification robustness.

SKILLS

- **Design & Research:** User Research · Usability Testing · Interaction Design · Visual Design · Prototyping · Storytelling · Systems Thinking · Affinity Mapping · Personas · Journey Mapping
- **Technical:** JavaScript · TypeScript · Python · Java · C · Go · HTML5 · CSS3 · React · Next.js · Flask · Tailwind CSS · TensorFlow · PyTorch · GSAP · MongoDB · PostgreSQL · InfluxDB
- **Tools:** Figma · Adobe Suite · FigJam · Miro · Git · Docker · Agile · SCRUM · HomeAssistant · Premiere Pro · Cursor