

Kathryn Chadwick

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Full-stack engineer (2 yrs) shipping high-scale web & mobile in Java, Python, TypeScript/React, and AWS, now building AI developer tooling that collapses design-to-dev handoff. AWS Cloud Practitioner; M.S. CS in Human-Computer Interaction at Georgia Tech (Dec 2026).

CORE TECHNICAL SKILLS

Languages: Java, Python, JavaScript/TypeScript, Swift, SQL
AI & Backend: OpenAI/LLM APIs, Model Context Protocol (MCP), Pandas/NumPy, Spring Boot, Node/Express, AWS (Lambda, DynamoDB, S3, API Gateway), PostgreSQL
Frontend & Tooling: React, Angular, SwiftUI, Next.js, Tailwind, Docker, CI/CD, GitHub Actions, Figma

WORK EXPERIENCE

Vanguard Software Engineer III, iOS Development — begins August 2026 Specialist, Technology Leadership Program Senior Associate, Technology Leadership Program	Charlotte, North Carolina Aug 2026 Sep 2025 – Aug 2026 Aug 2024 – Sep 2025
- Build a Model Context Protocol (MCP) server that generates UI code from a pasted Figma URL in full compliance with Vanguard's design system, collapsing design-to-dev handoff time; slated for org-wide rollout across Vanguard IT after strong internal demand. - Extended it to audit existing implementations, flagging and correcting non-compliant or AI-hallucinated components to enforce design-system standards automatically. - Delivered iOS Transact flow (SwiftUI) with analytics & accessibility labels; now leading "Rollover In" discovery. - Re-architected the Daily Portfolio Management portal (Angular + AWS Lambda/DynamoDB), enabling on-demand runs for 800K+ accounts/day and eliminating a nightly batch bottleneck, 15% faster. - Instrumented a real-time error dashboard linking Lambda logs to Jira via API, cutting incident triage 35% for 30+ analysts; automated all testing (Cypress + Axe-core), lifting compliance ~60% → 100%.	
EduAvenues Software Engineer (Associate → Senior)	Fairfax, Virginia Dec 2022 – Present
- Created GPTComment (Python, Flask, OpenAI GPT-4) delivering line-level feedback on 26K+ essays, trimming manual review 65%. - Built an exam-report pipeline (NumPy/Pandas → Google API) producing personalized emails for 1K+ students in <3 min (-88% effort).	
Workiva (NYSE: WK) Software Engineer Intern	Ames, Iowa May 2023 – May 2024
- Migrated 20+ UI modules from legacy Webskin to Material-UI (React/Dart), improving load time 30%. - Helped split a monolith into micro-frontends, reducing merge conflicts 40% and enabling feature flags.	

PROJECTS

The Anchor — Local, file-based mental-health journaling & accountability agent (Claude Code + Markdown); structured "iceberg" intake, 12 named in-the-moment protocols, and a built-in escalation design that hands off to professional care.
Iron Mind (in development) — LLM-based endurance / Ironman training coach that generates and adapts personalized training from an athlete's goals and check-ins.
Canvas & Kernel (founder) — Boutique studio building custom websites and AI-integrated systems for solo experts who have outgrown templates. Designed the brand and shipped the marketing site (Next.js 15, TypeScript, Tailwind, Framer Motion, Supabase) plus client web builds.

EDUCATION

Georgia Institute of Technology Human-Computer Interaction	M.S. Computer Science Aug 2025 – Dec 2026
Relevant coursework: Health Sensing & Interventions; Intro to Health Informatics; AI, Ethics, and Society; Cognitive Science; Human-Computer Interaction.	
University of Virginia Magna Cum Laude; GPA 3.8	B.A. Computer Science May 2024

CERTIFICATIONS & INTERESTS

AWS Cloud Practitioner, Scholastic Art & Writing Gold Key, State Rowing Champion, Barista & Latte-Art hobbyist, Digital & Acrylic Art, Dogs