

Andrew R. Knotts

knottsan2010@gmail.com | 407.808.6731 | linkedin.com/in/knottsandrew | **Portfolio:** andrewrknotts.com

SUMMARY

Design Engineer and Frontend Engineer with a track record of building polished, user-facing products at early-stage startups. Experienced taking features from product and UX thinking through implementation in TypeScript, React, and Figma. Particularly drawn to problems at the intersection of design, engineering, and complex real-world systems.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, HTML/CSS, React, Next.js, Tailwind CSS, TanStack Query, C, Java

Design/Tools: Figma, Git, GitHub, Adobe Creative Suite, Blender, Unity

EXPERIENCE

Volca – Payroll platform for the service industry

Dec 2025 - April 2026

Founding Engineer

New York, NY

- Built and maintained core features across a **React** and **React Native** frontend with a **Ruby on Rails** backend, serving **40+ service industry businesses**.
- Designed and implemented a **payroll dashboard** with interactive charts and filterable technician earnings data, improving visibility into complex pay structures.
- Developed an **automated email reporting system** handling dynamic payroll data with custom HTML/CSS templating for client-facing delivery.
- Built internal tooling enabling customer success teams to **impersonate users**, streamlining support and debugging workflows.
- Conducted meetings with shop owners (HVAC, plumbing, electrical) to understand payroll workflows and translate real-world needs into product decisions.

Eranova – AI startup building custom enterprise tools.

Aug 2024 - Nov 2025

Frontend Engineer & Designer

Charlotte, NC

- Designed and developed **Snaplaunch**, a customizable **AI assistant platform** with an **embed-ready frontend** (JavaScript, HTML, CSS) and **Django backend**, deployed to **12+ clients**.
- Built interactive frontends in **React + TypeScript**, including structured layouts, real-time graphing components, and **AI-driven chat interfaces** for enterprise workflows, serving **10+ clients**.
- Established a **lightweight design system**, unifying Eranova's client tools, marketing site, and brand presence for a consistent UX.
- Led end-to-end design and development of Snaplaunch and Eranova's **marketing sites**, delivering **responsive layouts** and production-ready forms.

App Team Carolina

Aug 2022 - May 2024

Product Designer & Developer

Chapel Hill, NC

- Collaborated with a student-led startup team to launch Centible, a budgeting app built with **Swift** and **Figma**.
- Designed UI components and onboarding **wireframes**; created **motion graphics** for marketing assets.

Uthrive – Consumer fintech app that helps users optimize credit card usage.

May - Aug 2022

UI/UX Intern

Remote

- Designed and shipped user-focused features including graph views, real-time recommendations, and responsive homepage layouts.
- Created design specifications and mockups for a browser-based extension with performance in mind.

EDUCATION

University of North Carolina at Chapel Hill

August 2020 - May 2024

B.A. in Computer Science & Studio Art | GPA: 3.8

Chapel Hill, NC

Honors: Graduated with Distinction, Dean's List, Phi Beta Kappa

Seoul National University

Spring 2023

- Focus: UI Design, Frontend Development, Fine Art, Korean Language

Seoul, South Korea