

Andrew R. Knotts

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EDUCATION

University of North Carolina at Chapel Hill

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

August 2020 - May 2024

Chapel Hill, NC

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

Relevant Coursework: UI Design, Modern Web Programming, 3D Animation, Machine Learning, Algorithms, Data Structures, Systems Fundamentals, 3D Design

Seoul National University

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

Spring 2023

Seoul, South Korea

RELEVANT SKILLS

Languages & Frameworks: JavaScript, Python, HTML/CSS, React, C, Java, C#, Django, GML

Tools: Figma, Adobe Creative Suite (Photoshop, After Effects, Illustrator), Blender, Unity, GameMaker Studio, Git

Expertise: UI/UX Design, Frontend Development, Motion Design, Prototyping, Animation, Version Control, Visual Art

RELEVANT EXPERIENCE

Eranova – AI startup building custom enterprise tools.

Aug 2024 - Present

Frontend Engineer & Designer

Charlotte, NC

- Led frontend design and development of Snaplaunch, a customizable AI assistant platform embedded directly into client websites — built independently using **JavaScript**, **HTML/CSS**, **Figma**, and the **Django** framework.
- Coded a comprehensive user dashboard for the Eranova platform with **D3.js** for dynamic data visualization, writing **SQL** queries to fetch and manipulate data, and redesigning the entire platform.
- Collaborated closely with backend engineers using **Git** for version control, providing frontend implementation requirements and contributing Django-based **Python** code to integrate backend **APIs** with frontend interfaces.
- Designed, developed, and launched the Snaplaunch and Eranova marketing sites, implementing responsive branded layouts and fully functional submission forms for client inquiries and job applications.
- Drove **brand identity** and visual design across the product suite — unifying Eranova's UI components, web presence, and client-facing tools to ensure a cohesive, professional experience.
- Deployed Snaplaunch across **30+** live client sites, with new clients onboarding weekly and Eranova currently serving over a **dozen** active enterprise partners.

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.

Original Game Project

Spring 2024

Independent Developer

Chapel Hill, NC

- Designed, coded, and illustrated a narrative puzzle game using **GameMaker Studio 2**.
- Created original music, animations, and dialogue systems; published to itch.io and led all development phases.

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

May - Aug 2022

UI/UX Intern

Remote

- Designed wireframes and UI for the "Best Card" recommendation feature on Uthrive's finance app (**10K+** users).
- Contributed new graphs, list views, and an updated homepage layout; mapped out navigation and UI for a new browser extension.

Freelance Design Work

2017 - Present

Graphic Designer / Artist

- Completed over **50** custom art and branding commissions using **Figma**, **Photoshop**, **Illustrator**, and **Blender**.
- Designed logos, marketing graphics, and digital artwork for local organizations, clubs, and individuals.