

Elliot Chafee

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Hickory Hills, Illinois

North Central College, B.A. in Computer Science, Expected May 2028, GPA 3.8

Work Experience

Contract Web Developer - SoftSpace Academy

June 2026 - Present

Selected by a former CentralReach manager to build the SEO, analytics, accessibility, and compliance setup for a new business website.

- Set up **Google Analytics 4**, **Google Search Console**, and **Google Tag Manager**; verified SSL, forced HTTPS, and confirmed domain redirects sitewide
- Implemented on-page SEO (metadata, image alt text, XML sitemap) and cookie consent management
- Resolved cross-browser and mobile responsiveness issues, and optimized site images for performance

STEM Camp Instructor – Moraine Valley Community College

June–July 2026

Designed and taught four week-long STEM courses for K–12 students, including an original AI curriculum.

- Led two intro coding courses for ages 5-11
- Built and taught two **AI curriculum** courses for junior high and high school students

AI Tools Evaluation Intern – CentralReach

August–October 2024

Selected for an AI tools evaluation internship after completing a paid, NSF-sponsored Carnegie Mellon AI training program covering machine learning, deep learning, generative AI, and AI ethics.

- Developed **AI-generated informational videos using Synthesia** for parents, improving accessibility and understanding of autism-related topics
- Created and trained **large language models using Dify and Shakudo** to improve customer-support question classification and automated response generation
- Cleaned, formatted, and validated **catalog data** to improve accuracy, consistency, and knowledge-base integration for LLM applications

Portfolio Projects - ElliotChafee.com

Full-Stack Development - Pet Services Booking Platform

Designed and developed a full-stack booking platform using **Django** to address scheduling and operational inefficiencies for a pet-care business. Implemented multi-service booking workflows, calendar integration, automated invoicing, and real-time updates, then deployed the application on **Render** with **Google Docs API** and **Google Maps API** integrations.

AI Development – School Funding Policy Assistant

Developed a retrieval-augmented generation (RAG) application using **LangChain**, **Chroma**, and the **OpenAI API** to answer complex questions about Illinois' Evidence-Based Funding law. Built the system to retrieve relevant statutory language and generate accurate, source-grounded responses.

Data Visualization - School Finance Insights

Built a **Python/HTML** data website that translates complex Illinois public-school funding analysis into accessible insights for school board members and community stakeholders.

Skills

Python, C++, SQL, Claude, OpenAI API, LangChain, Chroma, Dify, Shakudo, Power BI, Excel, GitHub
Django, Synthesia, Google Analytics, Google Search Console, Google Tag Manager, SEO, HTML/CSS