

Yash Patel

847-414-1567 | yashnpatel3@gmail.com | [Portfolio](#) | [LinkedIn/yashp0320](#) | [GitHub/yashp20](#)

EDUCATION

University of Illinois Urbana-Champaign

Expected: May 2028

Bachelor of Science in Computer Science and Mathematics

GPA: 3.6/4.0

- **Relevant Coursework:** Data Structures & Algorithms, Discrete Structures, Computer Systems
- **Certifications:** Web Development Bootcamp (Udemy), Java (Codecademy), HTML (Codecademy)

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, Swift, SQL, HTML/CSS

Frameworks: React.js, Node.js, Express.js, FastAPI, Flask, PyTorch, Hugging Face

Developer & Cloud Tools: AWS, Git, Linux, Docker, Google Cloud, Vercel

Databases & APIs: PostgreSQL, MongoDB, REST APIs, Supabase, Firebase

EXPERIENCE

iOS App Developer Intern

Jun 2026 – Aug 2026

Everyone Can Code Chicago

Chicago, IL

- Developed reusable SwiftUI components and accessibility-first user flows using VoiceOver labels, Dynamic Type, and Apple Human Interface Guidelines
- Implemented MapKit functionality, including custom annotations, clustering, and interactive map views to improve navigation and usability
- Led development of a top-10 accessibility-focused iOS app while serving as product owner, prioritizing features and leading sprint demos

Machine Learning Research Assistant

Aug 2025 – Feb 2026

University of Illinois Chicago

Chicago, IL

- Conducted LLM hallucination analysis across 100+ model-generated statements, validating outputs with Python-based NLP workflows
- Built text-processing and evaluation pipelines using Python, Hugging Face, PyTorch, and embedding similarity metrics to compare generated outputs across 3+ evaluation approaches
- Optimized prompt engineering and inference workflows to improve consistency of model evaluations across repeated test cases

Machine Learning Intern

May 2025 – Aug 2025

University of Illinois Chicago

Chicago, IL

- Built an LLM system to automate patent-text evaluation and support experimentation workflows
- Developed Python pipelines to preprocess and structure unstructured datasets for LLM analysis
- Evaluated LLM-generated patent text using cosine similarity, semantic embeddings, precision, recall, and F1-score to measure factual alignment and output consistency

PROJECTS

TripNest | *React.js, Swift, Supabase, PostgreSQL*

May 2026 – Jul 2026

- Built a full-stack group travel planning app supporting 5+ core workflows, including trip creation, activity voting, expense tracking, and shared checklists
- Designed a normalized Supabase/PostgreSQL schema with 6+ relational tables for trips, members, votes, expenses, and checklist data to support future SwiftUI mobile integration

CatAI | *Swift, Python, FastAPI, OpenAI API, Supmemory, Supabase*

Feb 2026 – Mar 2026

- Engineered a Caterpillar inspection copilot that converts inputs into a 38-field structured checklist, reducing manual reporting time by 20–30%
- Orchestrated a FastAPI + OpenAI pipeline generating structured outputs (PASS/MONITOR/FAIL) and persisting reports to Supabase for real-time retrieval

EcoSphere | *React.js, FastAPI, Python, Tailwind CSS, Google Cloud, Clerk Auth*

Sep 2025 – Dec 2025

- Built a sustainability-focused full-stack application to help users discover location-based solar panel options
- Implemented provider integrations, including Google Places, custom recommendation engines, and secure authentication with Clerk