

CADE SAMUEL KUKK

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SUMMARY

Full-stack developer who ships production software end-to-end, from Python backends and REST APIs to React/Next.js frontends, with hands-on experience integrating LLMs into real products. Built and deployed a live AI-powered fact-checking platform (ai-fact.vercel.app) and a campus-wide class registration app. As a university AI Innovation Ambassador, designed LLM workflows and prompt-engineering training adopted university-wide. Fast learner with a strong ownership mindset, comfortable turning rough ideas into reliable, deployed software in small teams.

TECHNICAL SKILLS

- **Backend:** Python (Pandas, NumPy, PyTorch), REST APIs, SQL, workflow automation (Python/PowerShell), C++, Java, Objective-C, Node.JS, C#, FastAPI, Fastify, Flask, Microservice Architecture
- **Frontend:** React, Next.js, TypeScript, JavaScript (ES6+), Swift (SwiftUI/UIKit), clean component-driven UI, HTML5, CSS3, Angular, Redux, Jest
- **AI / LLM:** LLM API integration, AI agents, prompt engineering, LLM workflows, AI-assisted pipelines, MLX, CUDA, LM Studio, RAG, Fine-Tuning(RLHF), NLP, CNN, RNN, Transformers, CloudML
- **Data:** SQL, data pipelines, web scraping, statistical modeling, Jupyter Notebooks, Jenkins, SQL, Redis, Redshift, ETL/ELT pipelines, Apache Spark
- **Cloud & Tools:** Vercel deployments, cloud computing, Git, Linux/UNIX, AWS, Lambda, CloudFront, Google Cloud, Azure, VPC, DNS, CDN, TLS

PROJECTS

AI Fact Checker - Full-Stack LLM Platform ai-fact.vercel.app

2026

- Designed, built, and deployed a production full-stack platform that uses LLMs to aggregate and verify sourced information on 25+ AI models from 53+ sources, owning the entire lifecycle: data pipeline, LLM integration, API design, frontend, and deployment.
- Engineered AI-assisted verification workflows that cross-reference claims against multiple sources, directly applicable to feedback systems and agentic pipelines.

Mobile Class Registration App Longwood University IT

2025

- Built a native iOS app in Swift (SwiftUI/UIKit) helping students navigate class registration, then ported it to Next.js to reach Android and web users, shipping the same product across two stacks.
- Gathered requirements from real users and iterated quickly under a live registration deadline.

Artificially Un-Intelligent - Cross-Country Data Analysis

Dec 2024

- Built Python data pipelines over 141+ international databases to analyze how technological advancement relates to public trust, pairing statistical modeling with clear written findings.

EXPERIENCE

Longwood University

Innovation Ambassador, AI

Farmville, VA · Jul 2025 - May 2026

- Designed and led hands-on LLM workshops (Claude, ChatGPT) for students, faculty, and staff, building reusable AI workflow materials adopted university-wide.
- Specialized in translating concepts like backpropagation and embeddings into plain language, guiding users from first exposure to independently running research, writing, and analysis workflows.

Student IT Technician

Farmville, VA · Jul 2025 - May 2026

- Automated repetitive workflows with Python and PowerShell and documented runbooks, freeing the team for higher-impact projects.
- Supported 5,000+ users, debugging and resolving issues under pressure while communicating clearly with non-technical users, reducing repeat support tickets.

YakAttack

Software Engineer

Farmville, VA · Dec 2019 - May 2021

- Built and deployed automated dashboards with Python and Tableau that replaced company-wide manual reporting, delivering 35% efficiency gains and contributing to a 28.6% increase in quarterly earnings.
- Partnered across teams to translate business needs into reliable technical solutions using JavaScript and REST APIs, shortening processing time and improving data accuracy.

CPR

Apple Certified Repair Technician

Farmville, VA · Jan 2017 - Dec 2019

- Repaired 6,000+ devices and deployed networks for two county school systems; managed store operations and customer service while in high school.

EDUCATION

Longwood University

B.S.

Oct 2022 - May 2026

Farmville, VA

- **GPA:** 3.6

- **Achievements:** Cormier Honors College, AI Innovation Ambassador, IT Student Worker, Undergraduate TA, Cyber Security Club (Aug 2023 – May 2026); competed in CTFs; built scripts and automations for capture-the-flag analysis and reporting.

CERTIFICATIONS

- Claude 101: Anthropic (Jul 2026)
- AI Fluency: Framework & Foundations: Anthropic (Jul 2026)
- Apple Certified Macintosh Technician (ACMT): Apple (Sep 2023, exp. Sep 2026)