Nolan Huyck

AI & Software Engineering

East Lansing, MI · (248) 974-0245 · nrhuyck@gmail.com · linkedin.com/in/nolanhuyck · github.com/no1ar1 · nolanhuyck.com

SUMMARY

Computer science sophomore shipping AI systems end to end, from retrieval pipelines to production deployment. Built internal AI tooling at Stellantis for three product development teams across the Jeep, Dodge, and SRT brands, with work still in use after the internship, and runs a registered LLC with four applications live.

EDUCATION

Michigan State University **Expected May 2029**

B.S. Computer Science, College of Engineering | Cumulative GPA 3.67 *East Lansing, MI*

EXPERIENCE

MSU Terrorism, Extremism and Cybercrime Lab **Oct 2026 - Present**

Undergraduate Research Assistant *East Lansing, MI*

- Develop a forensic biometric matching application used by state and local law enforcement, extending a vector-embedding identification system across Windows and macOS builds.
- Build data collection and classification pipelines under IRB protocol: scheduled collection, structured extraction from unstructured sources, and model-assisted coding with human review.

Stellantis **Summer 2026**

AI / Software Development Intern *Auburn Hills, MI*

- Delivered internal AI tooling to three product development teams and the start-up business unit, supporting engineering work across the Jeep, Dodge, and SRT brands.
- Built retrieval-augmented generation systems in Databricks that made engineering documentation searchable, replacing manual search across roughly 16 TB of semi-sorted SharePoint and OneDrive content; owned ingestion, chunking, embeddings, similarity search, and grounded generation, iterating on each against stakeholder review rather than assuming the pipeline worked because it returned output.
- Presented the retrieval system to a company board including the CEO; the work was handed to a permanent team to carry forward after the internship.
- Shipped an AI presentation formatting tool that remains in production use by the team months after the internship ended.

Stone Call LLC **2025 - Present**

Founder *Northville, MI*

- Shipped four applications solo from concept to production under a registered LLC, owning product, architecture, infrastructure, and go-to-market.
- Operate an AI voice receptionist in production since October 2025, handling 250+ live customer calls at a 675 ms voice response time with booking written straight into Outlook and Google Calendar.

SELECTED PROJECTS

End-to-End Call Agent | *Next.js · Supabase · Twilio/Vapi · Stripe · Microsoft Graph* *Stone Call LLC*

- Built an AI receptionist covering the full call lifecycle: telephony intake, voice agent, real-time availability lookup, and calendar booking, plus authentication, onboarding, and subscription billing.
- Tuned the voice pipeline to a 675 ms response time across 250+ live calls in its first three months, with server-side availability and booking workflows across telephony, voice AI, and calendar APIs.

E-Commerce Product Intelligence Engine | *Python · Shopify · Google Ads API* *Stone Call LLC*

- Built a bulk scraping and grading pipeline that evaluated 1,000 to 1,250 supplier products against margin and paid-search economics, normalizing listings and ranking candidates.
- Used its output to shut the store down after the data showed conversion could not support the paid-search cost, ending further ad spend on a losing channel.
- Authored the technical design document and application for Google Ads API production access; approved by Google in under 24 hours.

Patent Agent Pipeline | *Multi-Agent LLM System · Databricks AI Gateway* *Stellantis AI Hackathon*

- Built a four-agent system that streamlines patent documentation, each agent owning a distinct stage of invention disclosure, drafting, and review, implemented through selected internal APIs.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, SQL, HTML/CSS

AI / Data: Retrieval-augmented generation, LLMs, vector embeddings, semantic search, prompt engineering, structured outputs

Platforms: Next.js, React, Supabase/PostgreSQL, Databricks, REST APIs, Git, Vercel, Twilio, Vapi, n8n, Microsoft Graph

LEADERSHIP & AWARDS

Eagle Scout · Presidential Volunteer Service Award, Gold · MPowerAll Executive Board · Rotary International Board Member