

# CAEL KATT

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## EDUCATION

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### Lawrence Technological University

Expected Graduation: May 2027

Bachelor of Science in Computer Science - Software Engineering

Southfield, Michigan

- Varsity football team member, balancing full-time athletics with a full engineering course load
- Coursework in data structures & algorithms, operating systems, software architecture, and database systems
- Applying coursework concepts and self-taught skills to real-world systems across projects built while enrolled

## EXPERIENCE

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### Strive On Logistics — [striveonlogistics.com](http://striveonlogistics.com)

Spring 2025 – Present

Next.js, Supabase, Recharts

- Built a driver performance platform with a custom scoring system ranking drivers across safety, service, and delivery metrics, with leaderboards, payroll tracking, and location analytics
- Streamlined their hiring pipeline with a data funnel that directly unblocked driver acquisition, helping the company scale rapidly
- Delivered dashboards for managers and a mobile-friendly interface so drivers and managers could access everything in the field

## PROJECTS

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### AIM — [aimlockedin.com](http://aimlockedin.com)

Fall 2025 – Present

Next.js, Firebase, Supabase, Stripe, Swift, Kotlin

- Building and deploying a performance and accountability platform as a solo developer, currently being implemented with the LTU football program
- Gives coaches real-time visibility into what players are actually doing outside of practice: workouts, nutrition, sleep, and goal completion across the full roster
- Designed to help student-athletes build discipline and ownership over their own development, not just show up when someone's watching

### Lake Effect — [lakeeffectapp.com](http://lakeeffectapp.com)

Summer 2025 – Present

Next.js, Supabase, Swift, Kotlin, Mapbox SDK

- Building native iOS and Android apps consolidating trails, beaches, campgrounds, events, and local knowledge into a single interactive map
- Building interactive Mapbox maps with custom marker types, multiple layer styles, and feature icons across both mobile platforms
- Serving Northwest Michigan's local community and visitors, keeping every dollar local through partnerships with Northern Michigan businesses

### BlitzPlaybook — [blitzplaybook.com](http://blitzplaybook.com)

Spring 2026 – Present

Next.js, React Native, Firebase, Supabase, Stripe

- Building a digital playbook and coaching platform replacing paper playbooks, scattered spreadsheets, and disconnected film tools with a unified system
- Designing a multi-model computer vision pipeline (YOLOv10m, BoT-SORT, ResNet, YOLOv8-seg) that processes dual-angle game film to extract player tracking, routes, formations, and jersey identities and map them directly to the playbook database
- Giving every program access to quality playbook infrastructure regardless of budget, so coaches can coach and players can actually learn the playbook on their own

### PlotProtocol — [plotprotocol.org](http://plotprotocol.org)

Spring 2026 – Present

Ethereum L2, UMA Oracle, Arweave

- Designing a decentralized verification protocol where accuracy is economically incentivized and inaccuracy is penalized through bonded claims and adversarial dispute resolution
- Authoring a whitepaper covering a three-gate verification pipeline, two-tier dispute resolution with UMA oracle fallback, and permanent storage on Arweave
- Building infrastructure for freedom of information: no single point of censorship or control, every participant holding sovereign access to the verified archive

## SKILLS

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Languages	TypeScript, Swift, Kotlin, Java, C++, SQL
Frameworks	Next.js, React Native, SwiftUI, Jetpack Compose
Backend	Firebase, Supabase, Node.js, PostgreSQL
Services	Stripe, Mapbox SDK, Git, Vercel, Railway, Cloudflare
Business	Marketing, SEO, Product Strategy, Pricing, Brand Positioning
Design	UI/UX, Brand Identity, Adobe Creative Suite

## AWARDS & LEADERSHIP

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- 2022 NWCA United States Marine Corps Character & Leadership All-American
- LTU Varsity Football Team Member
- Tri-Sport Team Captain