Gage Emmerich

Engineering student · Founder · Builder

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Engineering student at Eastern Illinois University and founder of Ordaforma. I design physical products in CAD, 3D-print and sell them myself, and ship software people can actually use: two apps on the App Store, browser games, and the AI systems that help me run it all.

EXPERIENCE

Founder & CEO · Ordaforma, Effingham, IL — Jan 2025 – Present

- Founded a product company that designs, 3D-prints and sells everyday tools (MagNote, Valet Hanger) and offers custom 3D printing.
- Pitched and delivered a 260-unit custom MagNote order for Effingham Unit 40 staff, produced on six printers in about five weeks.
- Handle customer support, B2B outreach, order administration and production; write product and ad copy; run Meta and TikTok ads.
- Ship software under the same company: Automatic (App Store, Aug 2026) and Frontline: Conquest (iOS and web, Nov 2026).

Cadet · Army ROTC, Eastern Illinois University, Charleston, IL — Aug 2026 – Present

- First-year cadet completing military science coursework and training alongside a full engineering course load.

Student Entrepreneur · Effingham County CEO (Creating Entrepreneurial Opportunities), Effingham, IL — 2025 – 2026

- Year-long entrepreneurship program mentored by local business owners; turned Ordaforma from an idea into a selling product line.
- Built a business plan and ran a booth at the Effingham County CEO Trade Show (April 2026), demoing and selling MagNotes in person.

Car Wash Team Member · Southtown Car Wash, Effingham, IL — About 3 years

- Customer-facing work at a busy local car wash: friendly, fast service every shift.

Restaurant Server · Local restaurant — About 2 years

- Table service with an emphasis on pace, people skills and taking care of guests.

INVENTIONS & CAD ENGINEERING

- **The Valet Hanger:** One hanger for an entire outfit: shirt, pants, belt and jewelry, ready for the next morning. Original design, engineered over months in CAD: the hook, the belt loop, the accessory arm, and a jewelry pod with a magnetic lid. Prototyped on my own 3D printers, tested, and reworked until the pod opens with one hand and the frame stays strong without getting bulky.
- **MagNote:** A magnetic sticky-note dispenser that lives on a whiteboard, locker or filing cabinet. Designed after a teacher asked for a better way to keep sticky notes on her whiteboard. Pitched in person to the Effingham Unit 40 school district, which ordered 260 custom-logo units for staff.

PROJECTS

- **Automatic: Habit Coach** (iPhone + Apple Watch · App Store, Aug 2026): One habit, a 66-day plan, journaling, lessons and an in-app coach.
- **Frontline: Conquest** (Strategy game · iOS + web · Nov 2026): Territory-war strategy on a 3D globe, online or offline, with match video export. frontline-conquest.pages.dev/play/
- **Seats Gone Sheet** (Browser game · Free demo): Party game with a free browser demo and Steam pre-registration. seatsgonesheet.pages.dev
- **Study Buddy · Panther Hub** (Student study app · Web + iPhone beta): All-in-one study app for EIU students: classes, due dates and practice review. eiu-hub.pages.dev
- **Farglance** (Web app · Meta Ray-Ban Display): Hands-free cards and live screen views for Meta Ray-Ban Display glasses. farglance.com
- **Ordaforma HQ** (Multi-AI operations system): Coordinates several AI models plus a local Ollama model from a Cloudflare (Pages, Workers, D1) dashboard, with remote machine management and a SwiftUI iOS app.
- **ewebdzine** (Local web studio): Websites for local businesses, from pitch to launch.

EDUCATION

Eastern Illinois University · Engineering, Mechanical Engineering path (Engineering Cooperative) — Aug 2026 – Present

Intended minor: Entrepreneurship. Activities: Army ROTC, Entrepreneurship Club.

Effingham High School · High School Diploma — Graduated May 2026

Varsity wrestling, team captain (junior and senior years) · Cross-country · Effingham County CEO, Class of 2026.

SKILLS

Engineering & making: CAD modeling, Product design, 3D printing, Rapid prototyping, Small-batch production

Software: Swift / SwiftUI, JavaScript, SQL, Cloudflare Pages, Workers, D1, Git & GitHub, TestFlight & App Store

AI & systems: Multi-model AI orchestration, Local models (Ollama), Remote Windows & macOS admin, Automated testing

Business: B2B sales & pitching, Customer support, Copywriting, Meta & TikTok ads, Canva

People: Public speaking, Team leadership, Interpersonal skills, Typing at 119 WPM

LEADERSHIP & SERVICE

Effingham County CEO program, Class of 2026 · Dale Carnegie Leadership & Communication Workshop (2025) · Animal shelter volunteer · Effingham High School First Career Day, student helper (2026)