

GEORGE CLINKSCALES JR.

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SUMMARY

Software Engineer and co-founder of CH Studios LLC with production apps on the App Store. I build accessible, HIGH-compliant products.

PROFESSIONAL EXPERIENCE

Co-Founder & Developer · [CH Studios LLC](#) · Detroit, MI · Apr 2026 – Present

- Co-founded CH Studios LLC and secured a client contract to build CommonSight, an iOS app for Detroit community organizations using SwiftUI and Apple Intelligence APIs with spatial mapping and on-device AI tooling.
- Presenting feature updates and technical progress to investors and senior stakeholders during high-stakes demo sessions.

iOS/ Android/ Web Engineer · [Tripsetta](#) · Detroit, MI · Apr 2026 – Present

- Hired to maintain and ship feature updates across iOS, Android, and web platforms for an early-stage travel startup, working directly with the founder across the full product surface.

Engineer Intern · We Change Community Consulting · Detroit, MI · Feb 2026 – Present

- Shipping iterative features for the CommonSight iOS app in a cross-functional agile team alongside designers and a PM

Lab Assistant · CSU Wheat Breeding Program · Fort Collins, CO · Jun 2022 – Mar 2023

PROJECTS

CoastCast FastAPI · CoreML · Swift Concurrency · SwiftUI · WidgetKit · Mar 2026 – Present

- Shipped iOS frontend for a 54-beach conditions platform with Python FastAPI backend; built custom map clustering, weighted scoring engine, and on-device CoreML/XGBoost crowd prediction with 12 engineered features, covered by a Swift Testing suite with 120+ parameterized test cases. Added Siri Shortcuts, WidgetKit, Dynamic Island Live Activities, and a three-tier BGTaskScheduler notification system.

SavingsCalculator CoreML · WidgetKit · SwiftData · Swift Testing · Apr 2026

- Engineered an on-device ML forecasting engine with FRED API integration and a WidgetKit extension for real-time rate monitoring, backed by a Swift Testing suite covering complex financial logic and edge cases.

Detroit Sports AI Agent Python · Claude API · Agentic Tool-Use · Streamlit · Apr 2026

- Built an agentic AI analyst using LLM tool-calling and few-shot prompt templates to orchestrate real-time REST API fetches and extract structured data from unstructured responses — deployed on Render with a Streamlit frontend.

TakeFlight — A Bird's Life SpriteKit · iPadOS · macOS · [App Store](#) · Jan 2026 – Feb 2026

- Architected a 5-in-1 SpriteKit survival game with full keyboard support, haptic feedback, and granular audio management — shipped to App Store for iPad and macOS.

Stamped! — A City Passport Swift Concurrency · i18n · Spatial Mapping · [App Store](#) · Nov 2025 – Feb 2026

- Developed an i18n travel app with live API data syncing and offline caching for reliable use in low-signal areas.

OPEN SOURCE CONTRIBUTIONS

Tandoor Recipes Open Source Contribution Django · Vue.js · Docker · Apr 2026

- Contributed to an open source meal planning app; diagnosed a feature request blocked at the library level (vue-simple-calendar lacks day-period support), documented findings on the issue to save future contributors time, and submitted a separate PR adding a missing Back button to the Ingredient Editor matching existing codebase patterns — currently open for review.

Handmade Network Open Source Contribution Go · HTML Templates · CSS · Apr 2026

- Submitted PR to HandmadeNetwork/hmn (#37) resolving Go-template logic errors for featured post states and auditing typography utility classes to ensure design system consistency.

Streamlit Open Source Contribution TypeScript · React · CSS-in-JS · Apr 2026

- Submitted PR to streamlit.streamlit(#14864) adding border radius rounding to st.video and st.map components for visual consistency with Streamlit's design system.

TECHNICAL SKILLS

iOS Dev: Swift, SwiftUI, UIKit, Foundation, Apple Intelligence, SwiftData, MVVM, SpriteKit, CoreML

Web & Backend: HTML/CSS/JS, Python (FastAPI/Flask), Render (Deployment), Firebase, Supabase, REST APIs

AI & ML: CoreML, XGBoost, ONNX, on-device inference, Agentic Tool-Calling, Few-Shot Prompting, Ollama, Modelfile configuration

Tools: Xcode, VSCode, Git, TestFlight, Sketch, Accessibility (VoiceOver/Dynamic Type), Claude Code, Docker, Open WebUI

EDUCATION

Engineer Participant · MSU Apple Developer Academy Detroit, MI · Sept 2025 – May 2026

B.S. Horticulture · Colorado State University Fort Collins, CO · Aug 2019 – May 2022