

Solo Founder Working with AI Ships Adaptive Learning Platform with 29 Patents in 81 Days: AccelaStudy AI Launches on the Web

One Human, One AI, 1.27 million Lines of Code, 24,800+ Tests, 74 Repositories, and a 637-Claim Patent Portfolio — Built in Less Than Three Months. Native Apps for iOS, iPadOS, macOS, Windows, and Linux Follow Monday, June 1, 2026.

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DALLAS-FORT WORTH, May 11, 2026 — Renkara Media Group, Inc. today launched AccelaStudy AI, an AI-native adaptive learning platform, generally available on the web at accelastudy.ai. The platform was designed, architected, implemented, tested, deployed, and launched by **a single human engineer working with Anthropic’s Claude as the only engineering collaborator** — a development model that produced **1.27 million lines of production code, more than 24,800+ automated tests, 29 patent filings covering 637 claims, and a fully synthesized content corpus across 929 certification exams, in 81 days** from first commit to launch.

To Renkara’s knowledge, no single human partnered with an AI has ever independently delivered a production platform of this scope — including a defended patent portfolio — in this compressed a timeframe.

AccelaStudy AI is the first study tool to maintain a continuous, real-time model of every learner’s knowledge and behavior — and use it to recommend exactly what to study next, when to study it, and how long it will take to be ready. The web application is generally available today. Native applications and additional content products will roll out over the following months on the schedule below.

What’s Live Today

The web platform at accelastudy.ai is open to learners worldwide as of Monday, May 11, 2026. **AccelaStudy AI Certs** is the headline product at launch — adaptive preparation across hundreds of professional certification exams, with 171 free courses available to every registered learner.

What	Status today
Web application (accelastudy.ai)	Generally available
AccelaStudy AI Certs (certification preparation)	Live, \$39/mo launch promo (\$49/mo standard rate begins Monday, June 1, 2026)
Free courses for every registered user	171 across 21 categories
Hands-on console-simulator labs	2196 across cloud, security, and IT topics

What’s Shipping Next

Each subsequent product launch carries the same engine, the same account, and the same subscription mechanics into a new surface or audience.

What	Where	When
Native apps for iOS, iPadOS, macOS, Windows, and Linux — with real-time cross-device synchronization of knowledge state	https://accelastudy.ai	Monday, June 1, 2026
AccelaStudy AI AP / IB (Advanced Placement + International Baccalaureate exams)	https://ap.accelastudy.ai	August 2026
AccelaStudy AI Test Prep (SAT, ACT, PSAT, GRE, GMAT)	https://test-prep.accelastudy.ai	August 2026
AccelaStudy AI English (IELTS + TOEFL)	https://english.accelastudy.ai	Summer 2026
AccelaStudy AI Languages (12 languages, CEFR-graded by AI)	https://languages.accelastudy.ai	Summer 2026
AccelaStudy AI MCAT (pre-medical school preparation)	https://mcat.accelastudy.ai	October 2026
AccelaStudy AI LSAT (pre-law school preparation)	https://lsat.accelastudy.ai	October 2026

Sign up at <https://accelastudy.ai> to be notified as each release goes live.

What AccelaStudy AI Does

Most “adaptive” learning tools reduce a learner to a single percentage on a topic. AccelaStudy AI maintains a continuously updated, multidimensional picture of each learner’s knowledge and study behavior, and acts on it.

- **Skip what you already know.** The engine recognizes mastered concepts and stops drilling them — recovering the 40-60% of study time most learners waste re-reviewing material they already understand.
- **Trace wrong answers to root cause.** A failed VPC peering question is diagnosed back through the underlying knowledge graph to the actual missing prerequisite — usually a foundation concept like IP subnetting — and the system queues the four-minute lesson that closes the gap.
- **Behavioral modeling and adaptation.** Pace, confidence calibration, error-recovery pattern, hint-independence, and modality balance are tracked as five independent dimensions of how a learner studies — not just what they know. The engine adapts question difficulty, lesson depth, and activity format to each individual’s learning shape.
- **Autonomous study planning (Autopilot).** Learners set a target exam date, daily study time, and reminder cadence. AccelaStudy AI generates a personalized plan, selects the optimal activity for each session, recovers gracefully when the learner skips days, and signals when the learner is statistically ready to test.

- **Pass-readiness prediction with confidence intervals.** Learners see a calibrated probability of passing — not a vague “you’re 60% there” — so they know when to schedule the exam and when to keep studying.
- **Cross-domain knowledge transfer.** Already passed AWS Cloud Practitioner? The engine credits overlapping concepts when the learner starts Solutions Architect Associate, and skips what’s redundant.
- **Adaptive lessons and 20+ activity formats.** Every lesson is rewritten in real time against the learner’s current proficiency. The engine selects from up to twenty activity formats — from selected response and timed recall to console simulators and constructed response — picking whichever format extracts the most signal about what the learner does and doesn’t know.
- **Hands-on console-simulator labs.** 2196 interactive labs across AWS, Azure, GCP, Linux, networking, and security. Real DOM, real keystrokes, real assertions against the actions the learner takes — not toy quizzes about what a command *would* do. Lab outcomes feed the same knowledge model that powers the rest of the platform.
- **AI-graded writing and speaking against official rubrics.** Constructed-response essays, free-response answers, IELTS and TOEFL writing and speaking, AP and IB free-response — all graded against the published exam rubric with rewrite-level feedback. The same engine that scores the response uses the result to update the learner’s knowledge model.
- **Live knowledge map.** A 2D force-directed visualization of every concept the learner has touched, color-coded by proficiency and by which prerequisites are still weak. Clicking any node opens its current mastery state, recent activity history, and the lessons the engine has queued for it. The map updates in real time as the learner studies.
- **A content corpus that ships in hours, not months.** New certifications, new exam revisions, and new domains are added to the catalog the same week they’re announced — without compromising the quality validation that every other domain has already passed.
- **Privacy by architecture.** Zero tracking cookies, zero third-party analytics, zero tracking pixels. In federated enterprise deployments, individual learner trajectories cannot be reconstructed from aggregate data.

Engine Performance

AccelaStudy AI’s AVIAN engine updates each learner’s knowledge model in under 2 milliseconds after every interaction. The patented update path delivers **10× lower latency** and **approximately 5× lower energy per update** than equivalent designs running on conventional CPU pipelines. The combination of latency and energy efficiency is what makes continuous, per-interaction model updates economically viable at scale — and is the foundation of the company’s intellectual property portfolio.

Intellectual Property

The AVIAN engine is protected by 29 patent filings covering 637 claims. The originating provisional application — **63/906,341**, filed with the United States Patent and Trademark Office on **October 27, 2025** — established the foundational architecture for real-time adaptive knowledge modeling that underpins everything in the portfolio. Subsequent continuation-in-part filings extend that architecture across knowledge synthesis, behavioral analytics, autonomous orchestration, cross-domain transfer, assessment generation, and federated deployment.

The portfolio was drafted, refined, and filed by Charles Sieg in partnership with Claude — the same

one-human-plus-AI model that produced the engine itself.

Patent applications are pending. Claims have not yet been examined by the USPTO.

Built by One Person and Claude

There are no other employees. There are no contractors. There is no offshore team. Every line of code, every patent filing, every domain specification, every test, and every piece of marketing copy was produced by Charles Sieg, founder of Renkara Media Group, Inc., in partnership with Anthropic’s Claude (Claude Opus and Sonnet models).

By the numbers, as of launch:

Asset	Value
Days from first commit to public launch	81 (Feb 19 → May 11, 2026)
Repositories built	74 (engine, services, native clients, libraries, tools, websites, infrastructure)
Lines of production code	~1,270,000
Automated tests	24,800+
Git commits across the portfolio	8,200+
Patent filings	29 , covering 637 claims
Certification and standardized-test specifications	929
Hands-on console-simulator labs	2196
Backend services	4
Native clients	10
Internal tools shipped	25
Marketing websites	19
Outside funding	\$0 (bootstrapped)

“This is the new shape of what one person can do,” said Charles Sieg, Founder & CEO, Renkara Media Group, Inc. of Renkara Media Group, Inc.. “Five years ago, an undertaking this large would have required a fifty-person team and Series B funding. We did it solo, bootstrapped, in less than three months — one human and Claude, working as a unit. The patents, the engine, the native clients, the marketing sites, the internal tools — everything. I think we’ll look back on this as the moment the ceiling moved.”

The Problem AccelaStudy AI Solves

Traditional study tools waste 40-60% of a learner’s time reviewing material they already understand. Certification exam vouchers cost \$150–\$950, and a failed attempt costs the voucher plus months of additional study. Existing “adaptive” learning is typically just a percentage-based mastery score that flags what a learner got wrong without explaining why — and without a plan for what to do about it.

AccelaStudy AI replaces that with a continuous model of the learner, a clear diagnosis of why each mistake happened, and a daily plan that gets the learner from where they are today to ready-to-test by their target date.

Pricing

AccelaStudy AI Certs launches today at a special introductory rate of **\$39/mo**, available through May 31, 2026. On Monday, June 1, 2026 — the same day native apps go live across iOS, iPadOS, macOS, Windows, and Linux — the standard monthly rate of **\$49/mo** takes effect. An annual plan at \$39/mo (paid monthly equivalent) is available at any time and remains the lowest year-round rate.

Product	Audience	Monthly	Annual (20% off)
AccelaStudy AI Certs	IT and professional certification candidates	\$39/mo launch / \$49/mo standard	\$39/mo
AccelaStudy AI AP / IB (August 2026)	High school AP + IB students	\$99/mo	\$79/mo
AccelaStudy AI Test Prep (August 2026)	SAT, ACT, PSAT, GRE, GMAT students	\$79/mo	\$63/mo
AccelaStudy AI English (Summer 2026)	IELTS + TOEFL candidates	\$29/mo	\$23/mo
AccelaStudy AI Languages (Summer 2026)	Language learners (12 languages)	\$19/mo	\$15/mo
AccelaStudy AI MCAT (October 2026)	Pre-med students	\$149/mo	\$119/mo
AccelaStudy AI LSAT (October 2026)	Pre-law students	\$129/mo	\$103/mo

Accessibility & Our Commitment

Adaptive learning has to mean *every* learner. AccelaStudy AI is built to WCAG 2.2 Level AA from the ground up, not retrofitted, and the company commits to keeping it there as the product evolves.

- **Full keyboard navigation.** Every interaction — study sessions, exam simulations, lab activities, the knowledge map — is operable without a mouse or touch input. Visible focus indicators on every interactive element. No keyboard traps.
- **Screen reader support.** Semantic HTML, ARIA landmarks, live-region announcements for engine updates, and meaningful alt text on every diagram and screenshot. Tested against VoiceOver, NVDA, and JAWS.
- **Color and contrast.** Light and dark modes ship from day one. All text and meaningful UI meets or exceeds 4.5:1 contrast (7:1 for body copy in high-contrast mode). Color is never the only carrier of information.
- **Cognitive accessibility.** Plain-language summaries on every lesson, adjustable reading level on explanations, configurable session length, optional extended-time mode for timed activities, and an explicit “reduced motion” setting that disables animations and the force-directed

knowledge map physics.

- **Multi-modal study.** Every concept can be studied through reading, listening (text-to-speech with adjustable rate), constructed response, or hands-on lab — so a learner with a print disability, a visual impairment, or simply a long commute can keep making progress.
- **Captions and transcripts.** All instructional video ships with human-reviewed captions and downloadable transcripts. Audio explanations are paired with on-screen text. Lab walkthroughs are narrated and captioned.
- **Adjustable text and zoom.** The interface reflows cleanly from 100% to 400% browser zoom without horizontal scrolling or content loss. Per-user font-size preferences persist across sessions.
- **Disability accommodations honored.** Learners preparing for an exam with approved accommodations (extended time, breaks, screen reader use, text-to-speech) can mirror those accommodations inside AccelaStudy AI so practice matches the real test conditions.

The company maintains a public accessibility statement at <https://accelastudy.ai/accessibility> and treats accessibility regressions as launch-blocking bugs. Feedback from learners using assistive technology is read by the founder personally and triaged the same week.

Founder Quote

“Most adaptive-learning claims are a percentage score that says you’re sixty percent on AWS,” said Charles Sieg, Founder & CEO, Renkara Media Group, Inc. of Renkara Media Group, Inc.. “Ours says: you’re failing VPC peering because your IP-subnetting prerequisite is weak — here’s the four-minute lesson that fixes it, and here’s the study plan that gets you to ready by your exam date. The engine is the centerpiece, and the web is the first surface to ship it cleanly. The rest of your devices get it Monday, June 1, 2026.”

About Renkara Media Group, Inc.

Renkara Media Group, Inc., founded in 2008, builds AI-powered learning technology. Its flagship product, AccelaStudy AI, is an adaptive learning platform that maintains a continuous real-time model of every learner — knowledge and behavior — and uses it to eliminate wasted study time across 929 certification exams and standardized tests. The AVIAN engine powering AccelaStudy AI is protected by 29 patent filings covering 637 claims, originating with provisional application 63/906,341 filed October 27, 2025. Renkara is bootstrapped, headquartered in Keller, Texas, and operates as a one-person company — its founder works with Anthropic’s Claude as the sole engineering collaborator. Learn more at accelastudy.ai.

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