Eden Rebello

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Education

University of Illinois Urbana-Champaign — Jan 2027 – May 2030
B.S. Computer Science, The Grainger College of Engineering · B.S. Statistics

Dubai American Academy — Aug 2022 – May 2026
IB Diploma, High School Diploma · 3.98 cumulative GPA

Projects

Sahl — local-AI desktop app that tells you which form box comes next, in your language, and fills it — Nov 2026 – now
With Gabriel Tan · contending in the UAE Hackathon 2026 · open source

- Fully local: Qwen3-VL and Qwen3 run on-device via llama.cpp with Indra OCR, reading passports and Emirates IDs.
- Box finding passes about 96% on randomly drawn form layouts; form picker scores 15/15 held-out, 13/15 fresh.
- Tauri 2 (Rust), React, a Python sidecar, and a Manifest V3 extension. English, Arabic, Urdu, and Malayalam.

Dumbify — a calm, text-first YouTube — Jun 2026 – now
Chrome & Firefox extension · with Gabriel Tan · 52 active users at peak · open source (GPL-3.0)

- Uses YouTube's own data and InnerTube API, so subscribing, liking, and commenting work with your session.
- TypeScript and plain DOM, no framework or runtime dependencies; end-to-end tests in headless Chromium.

Yahmi — invoice fraud protection for UAE businesses — Oct 2026

- Checks an invoice before you pay it: IBAN and TRN validation, UAE bank codes, and reply-to mismatch warnings.

Empirical research: ML and DL models for skin cancer diagnosis — 2026

- Compared ML and DL models on 25,000+ dermoscopic images (HAM10000, ISIC); 3,900-word paper found CNNs most reliable.

Pause — macOS eye-health app — Sep 2026

- Covers every monitor with a full-screen break after an interval you pick. SwiftUI, open source, CS50x final project.

Experience

Web Developer & SEO, Elden Interior Design — Apr – Oct 2026
Contract · Dubai, UAE · eldenuae.com

- *Cost:* moved hosting, DNS, and domain from GoDaddy to Cloudflare, cutting cost 93% (AED 1,200 to 80 a year).
- *Rebuild:* moved the site from WordPress to static Astro, Tailwind, and TypeScript, with a GSAP and Lenis animation layer.
- *Content:* typed content system for 34 projects and articles, generated from Markdown so the client needs no code.
- *Contact without a backend:* wrote a Cloudflare Worker that emails form submissions to the team through the Resend API.
- *SEO and analytics:* content strategy for search and AI answer engines; Google Analytics 4 loads only after consent.

Technical Specialist, Care & Cure Pharmacy — Mar 2026
Contract · Dubai, UAE

- Set up the pharmacy's online presence from scratch: domain, DNS, a static site on Cloudflare Pages, and email aliases.
- Set up Google Business Profile, Apple Business Connect, social accounts, and delivery through Deliveroo and Talabat.

Generative AI Research Intern, RuDo Wealth — Jul – Aug 2025
DIFC, Dubai

- Researched generative video tools (HeyGen, Synthesia, D-ID) with the CEO; A/B tested a custom HeyGen avatar in emails.

Web Development Intern, RuDo Wealth — Aug – Sep 2024
DIFC, Dubai

- Worked with the CEO on web app design changes, including dark mode; built a live compound interest calculator.

Courses & Skills

Courses: CS50AI, Harvard via edX (in progress) · CS50x · CS50P (Aug 2025) · Career Essentials in GitHub (Jun 2026)
Languages: Python, SQL, C, CSS · Technologies: Claude Code, Cloudflare, PyTorch, scikit-learn