Lucas Anderson

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Education

University of South Carolina – BS in Computer Science, GPA: 3.5   Expected May 2026

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Networking

Projects

TV & Movie Discovery App | *Next.js, TypeScript, Tailwind, Supabase Postgres/Auth, Drizzle, Upstash Redis, OpenAI, Zod, Radix UI, Vercel*   glimpse.lucasanderson.dev

- Solo built the app end to end across UI, Edge APIs, data models, and Vercel deployment.
- Shipped OpenAI mood-prompt recommendations with Redis caching for results and JustWatch availability.
- Improved page load ~75% and cut API calls ~90% using Server Components, ISR, cache warmers, and CDN/LQIP images.
- Delivered cross-media search and watchlists on Drizzle-modeled Supabase Postgres with a responsive Tailwind/Radix UI.
- Secured typed App Router APIs with Zod, Supabase Auth (JWT, RLS), middleware guards, and rate limiting.

Language Learning App | *Java, JavaFX, AWS Polly, JUnit*   github.com/ay-Lucas/Globo-Lingo

- Led a 4-person Scrum team; architected modular OOP codebase for future language packs.
- Integrated AWS Polly for natural text-to-speech, improving accessibility.
- Achieved 100% unit-test coverage with JUnit, exposing bugs and cutting regressions.

React Weather App | *JavaScript, React, Tailwind CSS*   weather.lucasanderson.dev

- Developed a responsive weather dashboard with real-time forecasts and radar (Visual Crossing, RainViewer).
- Enhanced UX with Material UI and geolocation-based search, lifting average time-on-site.

Weather Channel Scraper | *Go, Colly*   github.com/ay-Lucas/weather-channel-cli

- Reverse-engineered Weather.com's undocumented API in Go with Colly to scrape real-time weather data.
- Built a flexible CLI that surfaces hourly and daily forecasts on demand.

Google Calendar Tool | *Node.js, Express.js*   github.com/ay-Lucas/google-calendar-cli

- Implemented OAuth 2.0 and REST calls to manage calendar events directly from the terminal.

Skills

Languages: TypeScript, JavaScript, Java, SQL, HTML/CSS, Bash
Frontend: React, Next.js 14 (App Router, Server Components, ISR), Tailwind CSS, Radix UI, shadcn/ui
Backend & APIs: Node.js, Serverless & Edge APIs, REST, Zod, OpenAI API
Databases & Caching: PostgreSQL, Supabase (Auth + RLS), Drizzle ORM, Redis (Upstash)
DevOps: Vercel (Edge Runtime), Docker, AWS, Linux, Git, GitHub Actions (CI/CD)
Testing & Tools: JUnit, Agile/Scrum, Figma