

Lucas Anderson

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Education

University of South Carolina – BS in Computer Science, GPA: 3.7

Expected May 2026

Projects

TV & Movie Discovery App | *TypeScript, React, Next.js, PostgreSQL, Tailwind CSS*

glimpse.lucasanderson.dev

- Cut page-load times 50% with component streaming and SSR, boosting Core Web Vitals.
- Built a personalized discovery experience (recommendations, watchlists, search) for TV and movies.
- Optimized query performance via Drizzle ORM and PostgreSQL indexing, ensuring fast data retrieval under load.
- Deployed secure OAuth (NextAuth) through CI/CD on Vercel for zero-downtime releases.

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.

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, cutting regressions.

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: JavaScript, TypeScript, Java, HTML, CSS, SQL

Front-End: React.js, Next.js, Tailwind CSS

Back-End: Node.js, Express.js, PostgreSQL

Tools: Git, Docker, AWS, Vercel, Linux, Maven, JUnit, Agile (Scrum)