

Lucas Anderson

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Education

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

Expected May 2026

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

Projects

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

glimpse.lucasanderson.dev

- Halved page-load time using server-side streaming, dynamic imports, and responsive skeleton loaders.
- Designed a responsive UI using Tailwind CSS and subtle animations to boost user engagement.
- Cached TMDb data into NeonDB (PostgreSQL), reducing external API calls by 90% and improving query latency.
- Built personalized discovery features (recommendations, watchlists, search).
- Secured sessions with NextAuth (OAuth) and reduced malicious traffic via rate limiting and firewall rules.

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

Frontend: React.js, Next.js, Tailwind CSS

Backend: Node.js, Express.js, PostgreSQL

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