Andrew S. Ross
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https://www.linkedin.com/in/asross/ | https://github.com/DopamineDriven | https://andrewross.dev

Full-Stack Engineer leveraging a science background to bring an interdisciplinary twist to tech. Earned degrees in Biochemistry and Anthropology and obtained a certificate in Full-Stack Development. Tinkerer, creator, builder.

Technologies

React | TypeScript | Next.js | Node | GraphQL | Apollo | JAMstack | Vercel | WordPress | MongoDB | PostgreSQL | MySQL | JavaScript | Express Gatsby.js | Webpack | Cloudinary | AWS LightSail | Angular | Docker | Python | Auth0 | OAuth | Stripe | Tailwind.css | Ant Design | Styled Components

Projects

Chicago Independent Media Alliance Directory
https://github.com/DopamineDriven/headless-wp-next-directory | https://headless-wp-next-directory.vercel.app/
Headless CMS Directory; uniting 40+ independent Chicago-based media companies to enhance their digital presence (ft. 2 CDNs)
Technologies: WP Engine (server), Vercel Edge Network (client), React Next.js, GraphQL, TypeScript, Tailwindcss, GraphQL-JWT

Home Sharing App
https://github.com/DopamineDriven/home-sharing-app | https://gql-homesharing.herokuapp.com/
Mock Airbnb app featuring google account sign-in and stripe-connect; users can search, book, and host listings
Technologies: React, TypeScript, GraphQL, Apollo, Node, MongoDB Atlas, OAuth2.0, X-CSRF header tokens, Google People API, Geocode API, Stripe, Cloudinary, Ant Design, and Heroku

Windy City Devs LLC
https://github.com/DopamineDriven/windy-city-next | https://windycitydevs.io/
A company website harnessing the power of incremental static site regeneration via React's Next.js framework. Configured a Headless WordPress environment using a Linux instance on Amazon LightSail. TypeScript, Apollo, GraphQL, Tailwindcss, and Vercel.

Experience

TA – Full-Stack Development   2020-2021
Vanderbilt University   **Nashville, Tennessee**
Remote TA for a full-stack development program through Vanderbilt University. Intensive course intended to acquaint students with an array of real-world, in-demand tech skills. Mentor students in groups and one-on-one. Assist students in troubleshooting programs by teaching them how to think, not what to think. Monitoring attendance, assisting with class activities, and grading a number of assignments as well as several larger group projects.

Lead Full-Stack Engineer   2020-Present
Windy City Devs LLC   **Highland Park, Illinois**
Co-founder and CTO of Windy City Devs. Freelance tech-lead for a Chicago-based marketing company at present. Project scope includes building a custom directory using a JAMstack approach: Next.js, TypeScript, React, GraphQL, Apollo client/server for strongly typed code generation, a WPGraphQL endpoint on Headless WordPress, and Vercel for deployment.

Bartender/Banquet Server   2018-2020
Emmett's Brewing Company   **Palatine, Illinois**
Bartended/served brunch, lunch, and dinner banquet events frequently. Rehearsals, receptions, memorials, birthdays, retirements, and corporate events; ensured details were executed per contract. Senior banquet server and trainer.

Industrial Engineer   2017-2018
UPS   **Palatine, Illinois**
Oversaw daily preload operations for 11 facilities throughout Illinois. Monitored volume, flow, wages, and shift length as a function of employee type and number allocated per work area. Acted as an operations supervisor overseeing proper and timely loading of package trucks as needed. Forecasted resources needed for seasonal fluctuations.

Education

The University of Iowa   2011-2017
Biochemistry BA, Anthropology BS   **Iowa City, Iowa**
Course assistant for human osteology. Conducted research with human skeletal remains in paleoanthropology. Chemistry minor, organic emphasis.

Northwestern University   2019-2020
Full-Stack Development   **Evanston, Illinois**
4.0 GPA. 24-week intensive full-stack development bootcamp. MERN stack.