

# DUKE NGUYEN

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<https://github.com/hnguyen1179>

<https://dukenguyen.dev>

## SKILLS

Proficiency with JavaScript (TypeScript), Node.js, Python, Ruby, HTML, CSS (SCSS/SASS), Tailwind, React, Svelte, Gatsby, Next.js, Redux, jQuery, Jest, Cypress, react-testing-library, Storybook, framer-motion, GSAP, D3.js, Puppeteer, Apollo, Ruby on Rails, Express, MongoDB, SQL (PostgreSQL), GraphQL, Prisma, Git (GitHub), Heroku, Netlify, Vercel, Yarn, npm, Webpack, Parcel, Figma, Adobe Illustrator, Adobe Photoshop, Adobe XD

## EMPLOYMENT

**Front End Engineer @ DELV (formerly Element Finance), Oct 2021 - Oct 2022**

Helped develop and deploy various new web apps in addition to maintaining the core web app's security and stability

- Maintained a web app widely used by 50,000+ unique users across 20+ different countries
- Coordinated with many different cross-functional teams in all stages of development from initial design to whiteboarding architecture to code development to deployment for multiple web apps
- Collaborated closely with the design team to translate Figma wireframes into fully responsive and accessible (via A11Y conventions) web pages with Google Lighthouse scores above 95 in all criteria
- Pair-programmed with senior engineering team members on a daily basis to plan and tackle development and production issues
- Revamped the front end repository architecture to a monorepo configuration in order to reduce code redundancy by 30%, results also lead to a 60% improvement in build and deployment speed by optimizing the development workflow
- Doubled the amount of testing coverage through additional unit and integration tests within the core web app
- Adhered to Agile development methodologies through daily stand up meetings and Kanban workflows via ClickUp boards

**Data Analyst @ NovaBay Pharmaceuticals, Sep 2017 - Oct 2019**

Managed the data pipeline for a multi-million dollar biopharmaceutical startup

- Analyzed Rx data using Excel and Tableau in order to present actionable insights, in which the results were communicated with the executive-level management on a weekly basis
- Established a new company best practice to evaluate sales territory viability. New practice boosted sales volume by efficiently targeting hotspots that were previously unaccounted, results led to about a 15% growth in sales volume over a single quarter

## PROJECTS

**notAirbnb @ <https://not-airbnb.netlify.app/> | <https://github.com/hnguyen1179/notAirbnb>**

A *creatively* named fullstack project that replicates Airbnb's web app, featuring anonymized listings obtained through web scraping using the Puppeteer library

- Built a fully responsive, mobile-first design, and pixel-perfect web app identical to Airbnb's web app (at the time), complete with all of the animations done custom via CSS keyframes
- Features a GraphQL API, which includes features like: custom-built authentication allowing users to sign up and log in, a robust search feature that allows filtering listings on a variety of fields, and as well as the ability to reserve those listings
- Includes advanced React patterns such as the *useContext* and *useReducer* hook combination to reduce app complexity, as well as the prudent usage of *useCallback* and *useMemo* hooks in order to optimize rerenders

**LinkedIn Web Scraper @ <https://github.com/hnguyen1179/linkedin-web-scraper>**

Automated my first job search process by scraping LinkedIn job listings for roles that match my specifically defined filters

- Built with Node.js using only the Puppeteer library all under 300 lines of code, including documentation
- Accelerated my job search by allowing me to apply to over 200 applications within a week with a callback rate of around 20%

**More projects @ <https://dukenguyen.dev>**

## EDUCATION

**App Academy** 1000-hour fullstack bootcamp with a <5% acceptance rate. Topics include: test driven development (unit, and integration testing), scalability, algorithms, object oriented programming, REST architecture (Spring 2020)

**University of California, Berkeley** BA in Economics (Spring 2017)