

# Kevin Zhang

t: 224.402.5566 e: zhang.kevin.hua@gmail.com

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## Education

Northwestern University  
App Academy

## Experience

Software Engineer - Contract | February 2023 - Present

### Perceptify

- Developed custom React components such as drop zones, navbars, form templates, modals, and buttons to enhance the frontend application.
- Made use of React hooks such as useState to create a multi-step sign up form and useRef to control hidden HTML components
- Created a relational database using Supabase to manage user data and analytics and insights information

Sr Financial Analyst | August 2019 - August 2021

### Raytheon Technologies

- Utilized SAP ERP data and proprietary Excel models to optimize program performance, resulting in a 30-percentage point increase in profit margins for the most efficient production lines.
- Strategically balanced production capabilities and client demands, leading to annual revenues averaging \$60 million and meeting internal sales, profit, and growth targets.
- Accurately forecasted costs at monthly, quarterly, and yearly levels based on labor and material projections, while ensuring schedule alignment with baseline forecasts.

## Projects

### Notbnb (Airbnb)

[live site](#) | [github](#)

Next.js, TailwindCSS, MongoDB, OAuth, Prisma, TypeScript

#### *Marketplace for vacation lodging-clone of Airbnb.com*

- Employed Next.js client and server components to create a fast and responsive user experience
- Created RESTful API routes in Next.js, eliminating the need for a separate backend server to handle data
- Integrated Google & Github OAuth for signup and login functionality as well as traditional email/pass

### CookBook

[live site](#) | [github](#)

React.js, Redux, JavaScript, Python, Flask, SQLAlchemy

#### *Platform for home cooks to share and discover recipes*

- Implemented Python Flask API endpoints to process client requests to upload, read, and rate recipes
- Made use of Redux as a repository of that data returned from the server to be accessed in O(1) time

### swEtsy (Etsy)

[live site](#) | [github](#)

React.js, Redux, JavaScript, Python, Flask, SQLAlchemy

#### *Marketplace for workout equipment-clone of Etsy.com*

- Worked collaboratively with three other teammates utilizing trunk-based development with Git & Github
- Utilized React's built-in context, state, and prop features to pass data seamlessly throughout the applications frontend, mitigating the need for time-consuming fetch requests on each page render
- Integrated SQLAlchemy ORM to facilitate the flow of information between server and PostgreSQL database, returning that transformed data back to the client side for rendering and interaction