

# CHENXI CHENG

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## EDUCATION

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### New York University — Tandon School of Engineering

New York, US

- M.S. in *Computer Engineering*

Sept. 2018 – May 2020

- **Courses:** Data Structures and Algorithms, Principles of Database Systems, Introduction to Machine Learning

### Huaqiao University — College of Information Science and Engineering

Xiamen, CN

- B.E. in *Telecommunication Engineering*

Sept. 2014 - July 2018

## SKILLS

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- **Programming Languages:** JavaScript, Python, Node, TypeScript, HTML, CSS, SQL
- **Frameworks | Libraries:** React.js, Redux, Vue.js, Express.js, Egg.js, Django, Django Rest Framework
- **UI Frameworks | Libraries:** Ant Design UI, Element UI, Bootstrap, React Bootstrap, Material UI
- **Databases | Cloud Platforms:** MongoDB, MySQL, PostgreSQL | Digital Ocean, Alibaba Cloud, Heroku

## EXPERIENCE

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### Gudian Tech – Web Development Intern

Xiamen, China

### Management System Website Project [Vue + Element UI + Node.js + Express.js + MongoDB]

June – Aug. 2019

- Created system based on **Vue**, **Element UI**, and **Express.js**, including content, operation, management items.
- Designed client side route restriction and server side auth middleware to protect route and verify login user.
- Implemented backend login interface by using **JSON Web Token**, bcrypt package, and token auth middleware.
- Designed general CRUD middleware to reduce code redundancy and encapsulated global axios to catch errors.

## PROJECTS

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### Contact Manager Website Project [React + Node.js + Express.js + MongoDB]

Dec. – Feb. 2020

- Developed an online contact manager website based on **React**, **Node.js**, **Express.js**, and **MongoDB Atlas**.
- Implemented functions of adding contact, updating contact, deleting contact, and searching based on keyword.
- Used React Hooks and Context API to implement global state management, including state, action, reducer.
- Designed frontend private route and backend token verification middleware to protect route and verify user.

### GitHub Finder Website Project [React Hooks + Context API + Axios]

Oct. – Nov. 2019

- Developed a GitHub finder front end website based on **React Hooks**, **Context API**, and **GitHub REST API**.
- Designed home and user detail pages, implemented navbar, spinner, search bar, user, repository components.
- Used React Hooks and Context API to implement global state management, including state, action, reducer.

### Forum Website Project [Vue + Axios + Element UI + Sass]

Feb. – Apr. 2019

- Developed a node forum based on **Vue**, **Element UI**, **Axios**, and **Sass**, including home, detail, user pages.
- Encapsulated global axios including loading tips, request and response interceptions, global error handling.
- Created request APIs based on global axios instance to request home page, detail page, and user profile data.

### Recipe Sharing Website Project [React + Ant Design UI + Less]

Oct. – Dec. 2018

- Developed a meal sharing website based on **React**, **Ant Design UI**, and **Less**, including home and details page.
- Designed common components including header, menu bar, card list, used jsonp to request third party API.