

# Runbo(Chuck) Zhao

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## EDUCATION

### SYRACUSE UNIVERSITY, USA

MSC., COMPUTER SCIENCE  
Grad. Dec 2018 | Syracuse, NY  
GPA: 3.9/4.0

### XIDIAN UNIVERSITY, CHINA

BENG., MATHEMATICS AND APPLIED  
MATHEMATICS  
Grad. June 2016 | Xi'an, China

## LINKS

Github:// [Runbo94](#)  
LinkedIn:// [Runbo94](#)

## COURSEWORK

Internet Programming  
Object Oriented Programming C++  
Software Engineering  
Operating System  
Mathematics Basis for Computing  
Design and Analysis of Algorithm  
Computer Architecture  
Introduction to Database Management  
System  
Randomized Algorithms: Think and Code  
Structured Programming and Formal  
method

## SKILLS

### PROGRAMMING

Over 5000 lines:  
**JavaScript • TypeScript •**  
**CSS/SCSS/LESS • HTML • Java**

Over 1000 lines:  
**SQL • NoSQL •  $\LaTeX$  • C++**

Familiar:  
**Haskell • C**

### FRAMEWORK

**Angular • React • Express.js**

Hapi.js

### DATABASE

MongoDB  
Firebase Real-time database

### OTHER TOOLS

**Git • npm • Heroku • PostMan**  
**Confluence • Jira • Invision • Storybook**

## EXPERIENCE

### ZINGBOX INC. & PALO ALTO NETWORKS INC. | UI ENGINEER INTERN

June 2019 - Now | Mountain View, CA

- Designed and developed software for Zingbox web application, a major part of Zingbox IoT security solution. Specifically, working under the guidance of senior engineers to develop web application features, widgets and **components**.
- Developed a new customer facing **Angular 6** web application and enhanced current web application with **AngularJS**.
- Developed with **agile methodology**.
- Collaborated with the application architect and backend developer on **JSON** API design.
- Worked with the UX designers by using **Invision**, **SCSS** and **LESS**.
- Implemented RWD such as page layouts, menu, navigation buttons, icons and drop-down lists.
- Developed Grid using Angular **UI-grid** and added several features such as Pagination, Pinning and exporting functionalities to the UI grid.
- Used **Git** as the version control system by using **Visual Studio Code** and **GitHub**.
- Built a tooltip directive with Angular **CDK**.

### SYRACUSE UNIVERSITY(E&CS) | UI DEVELOPER (UNPAID INTERN)

February 2019 - June 2019

- Designed the core components with CRUD operations and **RESTful** routing with the use of react-router-dom.
- Connected **React** with **Redux** by using the Provider of react-redux and created the single store.
- Created actions with Action Creator and applied redux-thunk middleware to the store to handle Async actions and developed Reducer functions to handle the state data changes
- Used **axios** to make HTTP request to persist the data in the database.
- Implemented the server-side with **Node.js**, **Express.js** and connected it with **MongoDB** by using **mongoose**.
- Performed Unit testing for some modules and features with Jest in the development process.
- Built the responsive Navbar & Modals with Bulma by using **HTML5**, **CSS3** & **JSX**.

## PROJECT

**WWW.JAJANG.CLOUD** | A CLOUD-BASED RESTAURANT MANAGEMENT  
PLATFORM SERVICE, DESIGNED FOR THE SMALL AND MEDIUM RESTAURANTS.  
October 2017 - April 2018

- Implement the table status monitor function by the **Firebase realtime database**. The **RxJs** makes it possible to do real-time, bidirectional and event-based communication between managers and customers.
- Achieve basic E-commerce functions, such as: authentication and authorization, product lists, shopping cart, etc.(seeRunbo94/JaJang-report). Also, to make JaJang more functional,some third-part modules is imported in JaJang such as: e-ngx-print, ngx-qrcode, neu-charts.
- **Tools:** HTML5, CSS3, Bootstrap, TypeScript, Angular5, Firebase