# Zhan Wang

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Github: https://github.com/wzvincent

## EDUCATION

**The University of Texas at Dallas**                                    08/2017 - 12/2019 (expected)
M.S. in Computer Science (Data Science)

**University of Electronic Science and Technology of China**             09/2013 - 06/2017
B.S. in Information Security (School of Computer Science & Technology)

## TECHNICAL SKILLS

Languages:                          Javascript, HTML, CSS, Java, Python, PHP, SQL
Frameworks & libraries:             Vue.js, React.js, Redux.js, Node.js, jQuery, Django
Software & tools:                   VScode, Eclipse, PyCharm, Git, MongoDB

## PROJECTS

**React Job App**                                                        04/2018 - 08/2018
React.js, Express
- Developed a full stack hiring and chatting app which is similar to a starter version of Indeed.
- Users can sign up as either boss or applicant. Boss can publish hiring information on this platform and can view all of the applicants' introduction. If there exists a good match, users can chat on this app.

**Mobile Travel App**                                                    03/2018 - 02/2018
Front end, Vue.js
- Used Vue.js to develop a travel app which mocks Qunar.com (China's version of Expedia).
- Mainly implemented the home page, the page of city selected and the page of tourist attractions' details.

**Web of Wallpaper Sharing Station**                                     12/2017 - 01/2018
Node.js, Full Stack
- Designed a website for users to share their wallpapers with others, and search and save wallpapers uploaded by other users to the website.
- Used MongoDB as database, and users need to log in to view and comment on wallpapers.

**Application of Optical Character Recognition**                         01/2017 - 04/2017
Spike Neural Network, Digital Recognition
- Utilized MATLAB to design a SNN algorithm based on Tempotron (a new method using dynamic function to adjust weights), and used the algorithm to recognize samples under noises.
- Used phase code to encode the pixels' values into the spiking time (0~200ms).
- Compared with the traditional Tempotron algorithm, the accuracy and robustness were improved from 30% to 70%.

## INTERNSHIP

**Xiaomi Technology**                                                    05/2018 – 08/2018
Software Engineer Intern (Front End)
- Developed front end of an activation code management system for Xiaomi enterprise service. Used Vue.js and Element UI to establish structure of the pages. From the developer detail page, users can also scan QR code generated by browser's canvas to active their devices. And these QR code can be sent as attachment with institution's information in an email. User can through text editor to generate their own privacy policy. The code's activation history is available to be checked and searched by IMEI.
- Participated in development of kite-guard which is an android app help parents know their children's safety and mobile phone using status. Mainly developed the weekly report of daily data of children mobile phone using time, data of steps and time spending on which category of apps. Using ECharts to make these data visible by bar chart and line chart.
- Participated in Xiaomi enterprise mobile website's development. Mainly developed Production page (http://web.b.mi.com)