YIKAI ZHU

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EDUCATION

Northeastern University, Seattle   **Sept 2018 - Jun 2020**
Master of Science in Information System   **GPA: 4.0/4.0**

Tongji University, China   **Sept 2014 - Jun 2018**
Bachelor of Management in Information System&Management   **GPA: 3.5/4.0**

COMPUTER SKILLS

- **Programming Languages:** Java(Proficient), JavaScript(Intermediate), Python, C/C++, Matlab, Go, SQL, Shell
- **Platforms and Tools:** Windows, Linux, Unix, Scikit-Learn, Numpy, BeautifulSoup, Bootstrap, Git
- **Knowledge:** Natural Language Processing, Machine Learning, Frontend and Backend Development, Web Crawler, Database

PROFESSIONAL EXPERIENCE

JunLing Health   **Shanghai, China**
Software Development Engineer Intern   **Mar 2018 - Jun 2018**

- Designed and built a requesting and ordering System for E-insurance based on Spring Framework and MySQL Database
- Translated design team's UX wireframes and mockups into responsive, interactive features, using HTML/CSS and JavaScript
- Worked with agile team to migrate legacy company website into VueJs, Css, Html5

GrundFos   **Suzhou, China**
Supply Chain Intern   **Jul 2017 - Dec 2017**

- Proposed system optimization suggestions and completed technical implementations, reducing logistics costs by 20%
- Conducted statistical analysis on inventory volume and variations by Excel and VBA language
- Coordinated with IS team for Distribution Center development project, including ERP user experience and function enhancement

PROJECT EXPERIENCE

Play!Music - *A Java Written GUI Gesture Based Music Notation System*   **Ongoing**

- Implement coordinate transformation with isomorphic scaling to extend the interface's scalability
- Build up a nearest neighbor matching system by manipulating Euclidean distance to subsample gesture strokes
- Create an application to train prototype data in order to accurately recognize and group hand gestures
- Apply serialization to trained data to save and retrieve them efficiently

Burger Builder - *A Single-Page App using React-Redux, ES6 and JavaScript to build a burger and checkout*

- Developed new user-facing features using React.js, JavaScript including DOM manipulation and the JavaScript object model
- Built reusable components and front-end libraries for future use
- Leveraged user experience by using JavaScript new function and React hooks

Personal Project Management - *A full stack project using SpringBoot and ReactJs*

- Created a RESTful API with Spring boot and secured it with Spring Security and JWT web token
- Designed and developed a React RESTful architecture to construct a user-friendly website interface
- Consumed a RESTful API with React/Rudex
- Deployed it into personal cloud website with SSH and git

Real-Time Chat Application - *An online application based on Node.js, Express.js and Socket.io*

- Build up a real-time chat application with node.js, NPM and express.js
- Designed and developed the index html for users
- Set up Socket.io in both server side and client side