XIAOYAN SONG

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SKILLS

Languages	JavaScript, Java, C++, HTML, CSS, SQL
Frameworks	Vue.js, Spring Boot, React.js, Express.js
Tools	AJAX, Git, MongoDB, AWS, MySQL, NGINX, Alibaba Cloud

WORK EXPERIENCE

FullStack Developer <div align="right">Jan 2022 - May 2022</div>

@ Xe.com

- Redesigned and implemented the **entire controller layer** of Xe Currency Data API using **Spring Boot**, speeding up the development process by **30%** by reducing code duplication and enabling debugging features in the **intelliJ IDEA IDE**.
- Led the development of user contact pages on the user account management dashboard to enable corporate users from **Shopify**, **Xero** and **Vistapoints** to edit, add and delete multiple contacts.
- Enabled automated user data analysis process for the UK marketing team by implementing Google Tag Manager on user registration and dashboard pages.

Front End Developer <div align="right">May 2021 - September 2021</div>

@ Heda Technology Ltd

- Spearheaded the development of interactive repairment and maintenance web pages using **Vue.js**, **Axios** and **Element UI** for the company flagship ShaoXing Water Facility 2.0 Project.
- Fixed 20+ front end errors in maintanence stage of Facility 2.0 Project, improving the user experience of more than **350+** employees at ShaoXing Water Ltd.
- Updated image-upload component to resolve rendering errors when pictures of physical facility status need to be uploaded, enabling online inspection and diagnosis of over **6000** hardware facilities in the piping network of water supply for the city of ShaoXing.

PROJECTS

IP Address Tracker / Javascript / HTML / CSS / AJAX / Leaflet.js

- An IP Address Tracker that allows user to enter any IP Address, and locates the physical position of that IP Address on the Leaflet Map Component
- Displays information about the identity, location, time zone and ISP of the IP Address retrieved from the JSON APIs of **Leaflet.js** and **geo.ipify.org** Deployed and running at ip-tracker

Weekly Planner / Node.js / Vue.js / Express.js / Axios / MySQL / NGINX / Alibaba Cloud

- **Fullstack, Restful API** application to create flexible and detailed plans to help users complete weekly goals. Details of the project can be found at Github.com
- Users can perform CRUD operations with tables and the search tree to flexibly update their plans. Data will be stored permanently in the **MySQL Database** on the deployed **Alibaba Cloud ECS Instance**
- Utilized **NGINX** Reverse Proxy to deploy the website, and **Element UI** to enhance user experience

EDUCATION

University of Waterloo <div align="right">September 2020 - April 2025</div>
Candidate for Bachelor of Software Engineering
Course Work: Data Abstraction and Implementation / Computer System and Logic / Foundation of Sequential Programs / Object Oriented Programming