

Bingzhen Li

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SUMMARY

Seeking for Software Engineer full time position. Strong at **Python, Java JDK1.8, HTML5, JavaScript, TypeScript, HTML, CSS, Ajax, MongoDB, MySQL, Git, React, Angular, Redis, JQuery** languages and skills. Hands-on experience at algorithms, web programming, machine learning. Needs H1B sponsor.

EDUCATION

- **Stevens Institute of Technology** 08/2021-02/2023
Master of Science of Computer Science GPA 3.6/4.0
Main courses: Web Programming, Deep Learning and Business Applications, Mobile Systems and Applications, Cloud Computing, Database Management Systems.
- **Cornell College** 08/2017-05/2021
Bachelor of Science of Computer Science & Economics and Business
Main courses: Systems Software, Computer Organization, Statistical Methods, Data Visualization, Software Architecture, Algorithm/Data Structure, Computer Graphics, and CS Machine Learning.

PROJECTS

- **Stevens Institute of Technology**
 - Online Candy Shop**
 - Designed and developed an engaging online Candy shop website using **React, React Router Dom, ContextAPI, Node.js**, and **Firestore**. This provided customers with a seamless shopping experience to browse and purchase candies online.
 - Implemented advanced responsive features by utilizing **Redis** as a shopping cart, efficiently handling over a hundred thousand user demands concurrently. This optimization improved website speed by 20% and significantly reduced backend pressure by minimizing database calls.
 - Deployed and maintained the backend server on **Heroku** and the frontend server on **GitHub**, ensuring smooth and reliable application performance.
 - Web Programming**
 - Developed a captivating full-stack web application called event-nest using **MongoDB, Express**, and **Node.js**. This empowered users to effortlessly publish and subscribe to events within a secure logged-in state.
 - Optimized client loading and runtime speed by implementing **Handlebars** as a data-passing template, delivering a seamless user experience.
 - Implemented secure credit card handling and payment processing using **PayPal's API**, guaranteeing the utmost transaction security for users.

RESEARCH EXPERIENCE

- **Company's Official Website** 06/2022-08/2022
 - Collaborated within an agile team to conceptualize and develop a user-friendly web console empowering administrators to effortlessly update and manage website content.
 - Created an intuitive frontend content visualization page utilizing **React** and **TypeScript**. Implemented the **ContextAPI** as a global variable to efficiently control administrator permissions and access levels.
 - Designed and structured **JSON** data and file data formats to seamlessly transfer website content and images from the frontend to the backend, effectively storing them in **MongoDB**.
 - Deployed the web application on **Alibaba Cloud's server**, ensuring reliable performance and scalability. Configured **Nginx** as the server's proxy for enhanced security and efficient request handling.
- **Movie Website Project** 01/2023-03/2023
 - Developed a full stack web application called Movie website using **Angular, NestJs**, and **Node.js**. This allowed users to publish and retrieve movie details after logging in.
 - Implemented **LazyLoad** to enhance client loading and running speed.
 - Utilized **NestJs** backend and **JWT token** for **authentication**. Implemented guard for front-end **authorization**.
 - Leveraged **NGRX** to manage all movie states, improving development efficiency and ensuring easy state management.