Shuhan Yang

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Portfolio: https://littlestars7.github.io/Portfolio/

EDUCATION

2014-2018 **BE, Computer Science and Technology**
Beijing Institute of Graphic Communication — Beijing, China

2019-2023 **MS, Computer Science**
Iowa State University — Iowa, USA

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C++, Matlab, HTML/CSS.
Frameworks: Node.js, Spring Boot, React, Angular, Django, Bootstrap.
Databases: SQL(MySQL), NoSQL(MongoDB).
Develop Tools: VS code, Eclipse, Visual Studio, Jupyter Notebook, Android Studio, Git.

SELECTED PROJECTS

Web Development | Java, React, Node.js, MongoDB, JWT

- Created a **full stack** website for book reviews that enables users to review books and access reviews from professional critics.
- Built user-friendly front end with **Bootstrap** framework and **JQuery**.
- Developed **Restful API**s with **Node.js** for back-end services.
- Integrated **MongoDB** for scalable data storage.

Food Delivery App: Eat express | Java, React.js, Mysql, CI/CD, Git, Mysql, Google Map API

- Designed and implemented a **full stack** android application that allows users to register and login, browse menus, add items to the cart and checkout functionality.
- Built front end with **React.js** and implemented back end with **Java**.
- Implement **CI/CD** pipelines using **Git**.
- Utilized **Google Map API** to integrate real-time location tracking.

Android Application Development: **Xinjiang** | Java, Android Studio, Mysql.

- Collaborated in a team of five to develop a **full stack** android application that provides users with registration and login, online assessment and appointments scheduling.
- Using **Java** and **Mysql** for server side and **JavaScript**, **Html5** and **CSS3** for the UI layout.

AI project in Autonomous Driving | Python

- The project aims to hide a vehicle before a LiDAR-based perception system by performing the **backdoor attack**.
- Solved the optimization problem by designing a loss function. The attack success rate can be achieved at 95.4%.

TEACHING ASSISTANT

Aug 2019 - Aug 2021	Object-oriented Programming in Java	ISU
Aug 2021 - Dec 2022	Introduction to Data Structures in Java	ISU
Jan 2023 - May 2023	Formal Methods in Software Engineering	ISU