

Shuhan Yang

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Education

MS in Computer Science, Iowa State University, Ames, IA	2019-2023
BE in Computer Science, Beijing Institute of Graphic Communication, Beijing, China	2014-2018

Skills

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

Projects

- Web Development 2024
 - 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 APIs with Node.js for backend services
 - Integrated MongoDB for scalable data storage
- AI Project in Autonomous Driving 2023
 - Performed a backdoor attack aimed at hiding a vehicle from a LIDAR-based perception system
 - Solved the optimization problem by designing a loss function
 - Achieved an attack success rate of 95.4%
- Food Delivery App 2022
 - 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 the front end with React.js and implemented backend with Java
 - Implemented CI/CD pipelines using Git
 - Utilized Google Map API to integrate real-time location tracking
- Android App Developed 2016
 - 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 features
 - Designed the frontend using JavaScript, HTML5, and CSS3
 - Implemented the backend with Java

Teaching

Formal methods in Software Engineering at Iowa State University	2023-2023
Introduction to Data Structures in Java at Iowa State University	2021-2022
Object-oriented Programming in Java at Iowa State University	2019-2021