

Xing Huang

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SKILLS

- **Programming languages:** Java, JavaScript, TypeScript, C#, Python, PHP, HTML5, CSS, SQL
- **Web Development Frameworks & Libraries:** Java Spring (Spring Boot, Spring Cloud, Spring Security), RESTful, SOAP, Microservices, Thymeleaf, Angular, React, Node.js, Express, ASP.NET, Django, Bootstrap, Tailwind, Three.js, Shaders
- **Database Technologies:** MySQL, SQL Server, MongoDB, Entity Framework, SequelizeJS, Azure SQL
- **Cloud & DevOps:** AWS (EC2, RDS, S3, Lambda), Azure, Jenkins, SonarQube, Docker, Git, GitHub Actions, CI/CD pipelines, AWS EC2, CloudFormation
- **Other Tools & Technologies:** Figma, Jira, Trello, Swagger, Postman, Docker Compose, Stripe API, Auth0, Google Maps API, PDFSharpCore, LiveChart, Extended WPF Toolkit, WordPress
- **Languages:** English, French (Intermediate)

EDUCATION

- Full Stack Developer (**Dean's List**) John Abbott College(May 2023-July 2024)
- French as second language certification University of Montréal (Jan. 2019-July 2019)
- Master of Environmental Science University of Chinese Academy of Sciences(Sep. 2006-Jun. 2009)
- Bachelor of Environmental Science Nankai University (Sep. 2002-Jun. 2006)

WORK EXPERIENCE

Web Developer Intern LinguoSphère (Oct. 2024-Present)

- Developed a VR and AI-driven language learning platform using Astro, React, Tailwind, and Node.js, and assisted in API development and integration to improve platform functionality.
- Designed and developed the company's WordPress website, optimizing its configuration for enhanced performance.

Full Stack Web Developer Intern NEMCCO DESIGN AND TRAINING Inc. (May 2024-Aug 2024)

- Contributed to the design and development of a SaaS application hosted on the web, leveraging WebGL and Three.js for 3D rendering and interactive graphics.
- Collaborated on a cross-functional team to implement features, optimize performance, and enhance user experience for web-based applications.

Researcher Ministry of Environmental Protection (MEP), Beijing, China (Dec. 2009-mar. 2014)

- Led research and testing in bioactivity and chemical management regulations, contributing to national standards in Good Laboratory Practices (GLP).
- Managed nationwide training programs for GLP inspection processes and laboratory practices.

PROJECTS

LinguoSphère website and app (Oct. 2024-Present)

- Developed a VR and AI-driven language learning platform using Astro, React, Tailwind, Threejs, typescript, openai;
- Designed and developed the company's WordPress website;

Inventory Management

(Sep. 2024-Oct. 2024)

- Built an Inventory Management Dashboard Application using Next.js, Tailwind and featuring Material UI Data Grid for complex data handling. State management is streamlined with Redux Toolkit, supplemented by Redux Toolkit Query for data fetching; backend is powered by Node.js, leveraging Prisma ORM for database interaction with PostgreSQL.

Oreizon App

(May. 2024-Aug. 2024)

- Developed a full-stack SaaS application incorporating 3D features using MERN stack (MongoDB, Express, React, Node.js), Three.js, and shaders for 3D rendering.
- Developed core features of Oreizon, including Spatial Queries, File Hierarchy system, and report generation, significantly improving the efficiency and functionality of the application
- Integrated BVH (Bounding Volume Hierarchy) for optimized geometry handling, ensuring smooth user interactions.

Spring Boot Microservice Project

(Jul. 2024-Jul. 2024)

- Built a real-time microservices architecture with Spring Boot, Spring Cloud (Netflix Eureka, Gateway, Circuit Breaker, Sleuth), and Kafka.
- Implemented Keycloak for authentication, Zipkin for tracing, and Docker for containerization of services, ensuring scalability and reliability.

Airbnb clone

(Apr. 2024-Apr. 2024)

- Created a web app mimicking Airbnb's core functionality with React, Bootstrap, and MUI for the front-end, Node.js/Express for the back-end, and MongoDB for database management.
- Deployed on AWS and Heroku, utilizing Stripe for payments and Auth0 for user authentication.

Electronic Shop Management(Desktop App)

(Feb. 2024-Feb. 2024)

- Developed a WPF application using C#, Azure SQL Database, and Entity Framework for managing inventory, sales, and customer data. Integrated charts and reporting tools for enhanced business insights using LiveChart and PDFSharpCore.

Real estate web application

(Feb. 2024-Feb. 2024)

- Developed a real estate platform with React, Node.js/Express, MySQL, and AWS S3 for file storage.
- Deployed with Heroku and Netlify, utilizing Stripe for payment processing and AWS RDS for database management.

Recipe website

(Nov. 2023 – Nov. 2023)

- Created a recipe-sharing website with PHP, MySQL, and HTML/CSS. Deployed on AWS EC2 with Docker for containerization. Implemented user authentication, recipe search, and content management features.

Library Management System

(Nov. 2023 – Nov. 2023)

- Developed a Spring Boot-based library management system using Thymeleaf for the front-end and Spring Security for authentication.

[MORE PROJECTS . . .](#)