

# Wenhong Huang

Fairfield, Iowa 52556 • 641-451-3092 • [wenhonghuang@gmail.com](mailto:wenhonghuang@gmail.com)  
<https://www.linkedin.com/in/wenhong-huang-463b17277/>

## FULL STACK DEVELOPER (JavaScript)

Experienced JavaScript and Node.js Developer with a strong foundation in data structures and algorithms. Proficient in JavaScript, TypeScript, ActionScript, and Java. Skilled in front-end performance optimization and debugging. Well-versed in the latest ES6 features, closures, and functional programming. Expert in Android app development and compatibility. Solid knowledge of MVC patterns, design patterns, and OOP. Accomplished in software engineering, problem-solving, and communication. Familiar with web protocols (HTTP, TCP/IP, WebSocket) and network requests (XML/JSON). Proven track record in managing technical roadmaps and leading engineering teams.

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Full Stack Development • Front End/Back End • User Interface • Web Services • Database Development • Object Oriented Programming

**Languages:** JavaScript, TypeScript, ActionScript, Java

**Web:** HTML5, Socket, WebSocket, TCP, UDP

**Web Services:** REST

**Web/App Servers:** Apache, NGinx

**Frameworks:** Express, React, Angular, NodeJS

**Databases:** MySQL, MongoDB

**Design Patterns:** Singleton, MVC

**SDLC:** Agile

**Tools:** VS Code, WebStorm, Eclipse, Postman, Git, SVN, Jenkins, Flex Builder, Cocos Creator

**Platforms:** Windows, MacOS, Linux

**Big Data:** Spark

**Additional Skills:** Performance and memory optimization

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## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### Tianjin Flamingo Group Co., Ltd., Guangzhou, CN • 03/2019 – 03/2022

Flamingo is a dynamic and innovative mobile game development company dedicated to creating captivating and immersive gaming experiences for players worldwide. With a passion for creativity and a deep understanding of the gaming industry, Flamingo is committed to delivering top-notch games that entertain and engage users across various platforms.

#### Front-end technical director

Front-end development

- JavaScript-based MVC framework design and implementation.
- Game development, including skills and effects systems.
- Project management and efficient task allocation.
- Third-party SDK integration for various platforms.
- Cross-platform compatibility and performance optimization.
- CI/CD implementation using Jenkins for streamlined workflows.

**Technologies Used:** JavaScript, TypeScript, Golang, Java, Object-C, MongoDB, HTML5, NodeJS, Apache, NGNIX

### Shenzhen Elephant Interactive Entertainment Co., Ltd., Shenzhen, CN • 10/2017 – 03/2019

Elephant Interactive Entertainment is a dynamic and visionary mobile game development company specializing in creating captivating and addictive tower defense (TD) games for players of all ages..

#### Senior Development Engineer

Front-end development

**Experience:**

- Created encryption tools for image resources.
- Designed batch compression tool for resource optimization.
- Developed Cocos Creator plugins for enhanced workflow.
- Automated memory recycling for improved performance.
- Designed remote and local resource cache management.
- Implemented dynamic animation effects for in-game skills.

**Technologies Used:** *JavaScript, TypeScript, Java, Object-C, MongoDB, HTML5, NodeJS, Apache, NGNIX*

### **Guangzhou Feiyin Information Technology Co., Ltd., Guangzhou, CN • 04/2010 – 07/2015**

Guangzhou Feiyin is a vibrant and innovative web game development company committed to crafting captivating and immersive gaming experiences for players across the globe. The mission is to create engaging and accessible web-based games that entertain, challenge, and inspire players of all ages..

#### **Senior Development Engineer**

Front-end development

#### **Experience:**

- Enhanced lightweight MVC framework in ActionScript3.
- Upgraded frame animation editor using Flex.
- Improved project's PHP-based continuous integration WEB console.
- Implemented network communication with protobuf.
- Utilized Flex Builder to optimize memory and performance.
- Managed project source code versions using SVN.

**Technologies Used:** *Adobe Flex, ActionScript3, Flash, MySQL, C++, Lua, Apache*

## **ACADEMIC PROJECTS**

### **MIU (2023)**

**SplitWise:** The application creates a shared space between a group of users to track their spending and display how much each user owes.. Utilized Angular, Express, MongoDB, JWT, TypeScript, REST

URL: <https://www.800898.xyz/split-expenses-app/>

### **MIU (2023)**

**An E-Commerce System:** The E-Commerce System is a comprehensive platform built to facilitate online shopping and streamline the buying process. It caters to two types of users: admin and customers. The system is developed using Node.js with Express as the backend framework, MongoDB as the database, and React Native for the front-end.. Utilized React Native, NodeJS Express, MongoDB, JWT, JavaScript, REST

### **MIU (2023)**

**Gym Reservation System:** The Gym Reservation System is an online platform that allows users to make reservations for various gym services, including fitness classes, personal trainer sessions, and equipment rentals. The system provides users with the ability to view available services, make reservations, and manage their reservation records. Administrators have the ability to manage gym classes, trainers, and equipment information.. Utilized Angular, Express, NodeJS, MongoDB, JWT, TypeScript, REST

URL: <https://www.800898.xyz/gym-reservation/>

## **PERSONAL PROJECTS**

**Fire At Me:** A simple and thrilling tower defense game that will zap your boredom away! Utilized JavaScript, Cocos Creator Engine, Cache Management, Model-View-Controller (MVC), Performance Management, Coding Experience, TypeScript, Memory Management

URL: <https://www.800898.xyz/td/>

**FastWordQuery Addon For Anki:** This addon query words definitions or examples etc. fields from local or online dictionaries to fill into the Anki note. It forks from WordQuery, added multi-thread feature, improve stability, and some other features. Utilized Python, Anki Development Framework

URL: <https://github.com/sth2018/FastWordQuery>

## EDUCATION

### Master

*(In progress via distance education; expected completion 10/2025)*

Maharishi International University, Fairfield, Iowa

Degree: *Master of Science in Computer Science*

Key Courses: *CS401 Modern Programming, CS435 Algorithms, CS569 Web Application Development 2, CS571 Mobile Application Development*

Arizona State University, Tempe, Arizona (10/2023)

Degree: *Master of Engineering in Computing and Technology*

Key Courses: *CSE 575 Statistical Machine Learning, CSE 598 Found of Social Media Mining, CSE 534 Advanced Computer Networks, CSE 511 Data Processing at Scale, CSE 551 Foundations of Algorithms, CSE 578 Data Visualization, CSE 546 Cloud Computing*

### Bachelor

Guangdong U of Finance & Econ, Guangzhou, Guangdong (12/2020)

Hunan Normal University, Changsha, Hunan (06/2006)