

# KAILONG,DUAN

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## SUMMARY

I am currently pursuing a Master's degree in Software Engineering at Southern Methodist University (SMU) and actively seeking internship opportunities for the summer and winter of 2025. Additionally, I am interested in full-time positions starting in **2026**.

I have approximately **four years of software development experience**.

On the front end, I have worked with **HTML**, **CSS**, and **JavaScript**, developing H5 pages, large-scale management systems, and WeChat mini-programs using **Vue.js**. If the company requires **React.js**, I am also proficient and fully capable of handling it. On the backend, I am proficient in **Java**, **Spring Boot**, **MySQL**, **Oracle**, and **Kafka**, and I have experience developing **RESTful APIs** and providing **microservices** to meet various business needs. In terms of deployment, I have used **Docker**, **Jenkins**, **Linux**, **Nginx**, and **GitLab** to deploy both frontend and backend projects in development and production environments. Regarding algorithms, I have extensively practiced on LeetCode using **Python**, solving problems in graph theory, dynamic programming, recursion, greedy algorithms, BFS, DFS, and more. My current **LeetCode** Weekly Contest rating is **1700**.

Additionally, I am learning AWS to further expand my skill set. If **AWS** is required, I can quickly adapt without impacting development progress.

## EDUCATION

**Southern Methodist University**

Dallas, TX

*Master Degree in Software Engineer*

*May 2024-May2026*

**Henan University of Economics and Law**

Zhengzhou, China

*Bachelor's Degree in Science*

*Sep 2013 - Jun 2017*

## EXPERIENCE

**Truelore**

Beijing, China

*Software Engineer*

*Aug 2020 - 2022*

- Led the development of a large-scale internal management system using the React.js framework, featuring Single Sign-On (SSO) functionality.
- Identified and resolved bugs within the framework, providing technical assistance to colleagues, which reduced workforce costs by 20% and improved development efficiency.
- Collaborated with the team to design and implement an advanced component-based architecture, ensuring modularity and scalability.
- Integrated payment and image upload features into a mini-program by working with WeChat APIs, enabling seamless and efficient handling of mobile transactions.

**iSoftStone**

Shenzhen, China

*Software Engineer*

*Aug 2018- Aug 2020*

- Developed a large-scale Single Page Application (SPA) and contributed to a mobile application project involving complex cross-origin API interactions.
- Worked in a collaborative environment to deliver robust code by breaking down complex problems into smaller, manageable modules, enhancing the scalability of the application.
- Assisted in the development of a project adopted by Huawei to accelerate their Android system R&D, with total project funding exceeding several million CNY.

## Program

*Digital Huarong Road*

<https://digital-huarong-road-gold.vercel.app/>

- A recreation of the classic Huarong Road puzzle game with interactive gameplay
- Deployed using **Vercel**, ensuring an automated CI/CD workflow for efficient deployment.
- Implements *A search algorithm\** to compute optimal solutions

*Excavator*

<https://webgl-projects.vercel.app/>

- A collection of interactive **WebGL-based graphics projects**, demonstrating real-time rendering and 3D visualization techniques.
- Utilizes WebGL APIs to implement various rendering effects, such as shading, lighting, and transformations
- The code follows OOP design principles, making it easy to maintain and modify