

# Evan Zheng

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## Education

### University of Illinois Urbana-Champaign

Expected May 2025

*Master of Computer Science*

- Coursework: Database Systems, Cloud Computing Applications, Advanced Data Management, Applied Machine Learning

### Fudan University

June 2023

*Bachelor of Science in Computer Science*

## Skills

- **Programming Languages:** Java, Python, SQL, Go, C++, JavaScript, HTML/CSS.
- **Framework:** Spring Boot, Django, React, Vue.js, Node.js.
- **Tools:** MySQL, AWS, Docker, Git, Kubernetes, Bash, Redis, CI/CD, gRPC, Thrift.

## Work Experience

### Schneider Electric

Aug 2023 - Jan 2024

*IA China Hub, Full Stack Software Engineer Intern*

Shanghai, CN

- Built a high availability compute cluster using **Kubernetes** and **KubeEdge** on 20+ ARM compute units, led to a **50%** reduction in system downtime and improved the error handling response time by **40%**.
- Spearheaded a cloud app store for container software distribution utilizing **KubeEdge**, **Vue.js** and **Go**.
- Provided the IA group with a fully automated cloud-edge collaboration platform for 20+ software projects by integrating the app store with an **Spring Boot** IoT platform using **Nginx**.

### Meituan

Jun 2022 - Sept 2022

*CRM Team, Backend Software Engineer Intern*

Shanghai, CN

- Developed and maintained Meituan's Apollo CRM system, supporting over **10,000** users with **Spring Boot** and **MySQL**.
- Reduced redundant calls to downstream modules by **25.5%** by designing a JSON-based mark rule and implementing a module with **Java** to parse the formatted online configurations for customized content presentation logic.
- Completed **5** requirements using the **CI/CD**, enhancing skills in unit testing and gaining experience in grayscale releases.

### Fudan IICS Lab

Sept 2021 - Jun 2023

*Independent scientific researcher*

Shanghai, CN

- Proposed a multi-agent system model with adversarial leaders to simulate the election problem on **KONECT** datasets.
- Designed an 40% faster topology selection algorithm with **Julia**, based on linear system solver and random walk simulation.
- Achieved opinion maximize analysis on networks with 100,000+ nodes and utilized **Matplotlib** for data visualization.

## Projects

### ODAP System

Apr 2023 - Jun 2023

- Coded an online data annotation platform with **React** and **Spring Boot**, enabling manual data tagging for text, audio, and object recognition applications.
- Leveraged **Spring Security** in registration, login, and user identity management modules.
- Designed 30+ **RESTful** API including modules of multiple dataset uploading, dataset previewing and management, and labeling progress tracking.
- Applied **Hibernate** to interact with **MySQL** database, cached data with **Redis**, provided a reliable work platform.

### Car Advisor System

Jun 2022 - Jul 2022

- Crafted a car shopping guide hybrid expert system featuring a Python-based recommendation algorithm using fuzzy inference and certainty factors, with a PyQt5 front-end.
- Programmed **Web crawler** with Python to get 500+ real-time open source car data from a Bytedance App as datasource.
- Attained **93%** of satisfaction among tested users; rated top **10%** out of 212 students by professor as an AI course project.

### Handwriting Arithmetic Calculator

Oct 2021 - Dec 2021

- Trained a CNN model on handwriting numbers and operators for Microsoft AI-SPACE Group Project (MSRA, 2021), achieving 98.5% identification accuracy.
- Assembled an app using **C#** and Python Tkinter, featuring withdrawal, stroke split, and real-time feedback functions; awarded excellent project completion certification by MSRA.