

# Jiaming Xu

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## EDUCATION

**University of Southern California**

*M.S. in Computer Science*

**Los Angeles, CA**

*Expected Graduation: Dec 2021*

**Hebei University of Technology**

*B.S. in Computer Science*

**Tianjin, China**

*Graduation Date: Jun 2019*

## PROFESSIONAL EXPERIENCE

**Trade League**

*Software Engineer Intern*

**New York City, NY**

*May 2021 – Present*

- Experiencing **Domain-Driven-Design (DDD)** design principle
- Develop **Restful API** with **Rust** programming language, **Actix Web Framework**
- Develop **Microservices** and core functionalities with Rust programming language
- Configure and build a **High-Availability** server cluster with **NATs** for **Event-Sourcing**
- Configure **Bitcoin** and **Ethereum** full node client connecting to the Main Network
- Experiencing with **Docker** for containerization of all service and **Google Compute Platform** for **IAAS**

**University of Southern California**

*Full Stack Student Programmer Assistant*

**Los Angeles, CA**

*Feb 2020 - May 2021*

- Develop the Back-end **Restful API** for USC The Graduate School System with **C# .NET Framework**
- Develop the Front-end User Interfaces for USC The Graduate School System with **JavaScript jQuery** and **React Framework**
- Schedule data importing and processing task with **Python** and **SQL** Script embedded in **Apache Airflow** to gather around 50MB data daily from various departments
- Design **MS-SQL Database** table structure with **star/snowflake schema** and manipulate data with SQL script
- Utilize **Git** and **Azure DevOps** Server to implement automated project building and deploying stages

**Sinosoft Co.,Ltd.**

*Software Engineer Intern*

**Tianjin, China**

*March 2019 – June 2019*

- Developed the Back-end **Java Web Applications** with **Spring framework** and Front-end pages with **JavaScript JQuery Framework**
- Fetched data from various online data providers with **Java RPC framework**, including identity verification
- Developed an AI-Utility with **Python Tensor-Flow** Library to recognize verification code and reached up to 91% accuracy

## PROJECTS

**Website for USC Chinese Graduate Student Association [Java, MySQL, Docker]**

*Jun 2020 - Present*

- Configure **AWS Virtual Cloud Server** to host the website programs and **MySQL** database
- Experiencing **AWS lambda function** to fetch data from Google Spreadsheets and **firebase** to store QR code picture
- Develop the **Restful API** with **Java Spring Boot Framework** and generate proper API document with **Swagger** library
- Integrate the whole website into **Docker** containers with **Docker-file** for better developing and configuring usage
- Write **GitHub Pipeline** Configuration file to implement automated project building and deploying stages

**Decentralized Transaction System [Blockchain, Java, RPC, Android]**

*Dec 2018 - Jun 2019*

- Designed a schema in **Berkeley Database** to store blocks and transactions
- Developed Front-end pages with **JQuery** Framework to view and search transactions and balance in real time
- Used **Java Socket** and **Multi-threading** technologies to implement **P2P** network and provide **RPC service** for client
- Implemented **Threading pools** in Java to increase the service durability
- Developed a light-weight **Android Wallet Application**, for users to transfer and view balance

**Network File Storage System [JavaScript, Python, Flask]**

*Dec 2017 - May 2018*

- Provided a web application based on **Flask framework** for users to upload, download, share and view files online efficiently
- Developed web page with **JQuery Framework** to present user's file hierarchy, which allows users to drag, search and move files
- Configured server cluster with **NFS**, **DRBD** and **Heartbeat** in order to increase the availability of the whole application

## SKILLS

- Relevant Coursework: Web Technology, Distributed System, Operating System, Algorithm, Database, Computer Network
- Leadership: Leader of Technology Department in USC-CGSA, Chinese Graduate Student Association
- Programming Languages: Java, Python, Rust, **C#**, Go, C/C++, JavaScript
- Frameworks: SpringBoot, ASP.NET, Actix, Flask, Django, React.js