

Jiaming Xu

1205 W 37th Dr, Los Angeles, CA 90007

🌐 blobming.github.io

✉ xujiangmin@usc.edu

🔗 github.com/blobming

☎ 213-476-5757

EDUCATION

University of Southern California

MS in Computer Science(HPC track) GPA: 3.85/4.0

Los Angeles, CA

Expected Graduation: Dec 2021

Hebei University of Technology

BS in Computer Science GPA: 3.56/4.0

Tianjin, China

Graduation Date: Jun 2019

EXPERIENCE

University of Southern California

Student Programmer Assistant

Los Angeles, CA

Feb 2020 - Present

- Developing the back-end for USC The Graduate School Website with .NET Framework
- Developing the front-end for USC The Graduate School website with jQuery Framework
- Scheduling data import and processing task with Apache Airflow
- Database design and data manipulation with MsSql database
- Experiencing DevOps with Jira and project deploy pipeline with TFS

Sino-soft

Software Engineer Intern

Tianjin, China

March 2019 - June 2019

- Developed a J2EE Web Application with Spring framework
- Developed the front-end page with jQuery Framework
- Developed a smml component with python used in captcha recognition
- Experienced in fetching data from other data provider with RPC

IT Consultis

Front-end Developer Intern

Shanghai China

Jun 2017 - July 2017

- Developed a mobile app called VeTime with React.js framework
- Updated and tested Drupal background of Leica camera website

PROJECTS

Decentralized Transaction System Based on Blockchain Technology

Dec 2018 - Jun 2019

- Designed the local database (Berkeley DB) to store blockchain and transaction structure
- Utilized HTML5, CSS, JavaScript and Bootstrap framework to develop front-end pages
- Used Java Socket and multi-threading technologies to implement P2P network and provide RPC service
- Implemented threading pools with Java
- Developed a light-weight Wallet Application with Android Device

Wennix - A Simple Operating System

Jun 2020 - Aug 2020

- Implemented critical function in Process, Thread, scheduling and system booting(kernel assignment 1)
- Implemented critical function in VFS and AFS(kernel assignment 2)
- Implemented virtual memory map(kernel assignment 3)

Parallel-based Large Dimension Discrete Multi-objective PSO Algorithm

Mar 2018 - June 2019

- Used MOEA/D to solve multi-objective problem, implemented algorithm with MPI library based on island model
- Applied algorithms on real-world dolphin social network dataset and reached accuracy of 92.3

Addition

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Scientific computation and simulation, distributed system(MIT 6.824 project)
- Leader of Technology Department in USC-CGSA, Chinese Graduate Student Association
- Programming Languages: Python, Java (Spring), C (WPF, ASP.NET), C/C++
- Database: Oracle, MySQL, MS-SQL
- Fluent in Mandarin, conversational in English