Jiaming Xu

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EDUCATION

University of Southern California   **Los Angeles, CA**
MS in Computer Science GPA: 4.0/4.0   *Expected Graduation: Dec 2021*

Hebei University of Technology   **Tianjin, China**
BS in Computer Science GPA: 3.56/4.0   *Graduation Date: Jun 2019*

EXPERIENCE

University of Southern California   **Los Angeles, CA**
Student Programmer Assistant   *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   **Tianjin, China**
Software Engineer Intern   *March 2019 – June 2019*

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

IT Consultis   **Shanghai China**
Front-end Developer Intern   *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)

Network File Storage System Based on High Availability Architecture   *Dec 2017 – May 2018*

- Designed the database to store the tree structures in order to represent the virtual file system
- Utilized HTML5, CSS and JavaScript to develop front end and adopted Ajax asynchronous request
- Implemented File Directory Hierarchical Search Algorithm with Model Layer
- Configured the NFS + DRBD + Heartbeat server cluster in order to increase the availability of the whole application

Addition

- Relevant Coursework: Data Structures and Algorithms, Opearting Systems, Database, Computer Security
- 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