

Bowei Xu

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EDUCATION

University of Southern California, Los Angeles, CA Aug 2020–Dec 2022
Master of Science, Computer Science **GPA: 3.61/4.00**

Henan University (HENU), Kaifeng, Henan, China Sep 2016–June 2020
Bachelor of Engineering, Computer Science and Technology **GPA: 3.69/4.00** Ranking: **Top 6% (14/244)**

SKILLS

- **Programming Languages:** Java, PHP, JavaScript, Python, Golang, C++, SQL, C#, R
- **Web Development:** HTML, CSS, Node.js, Git, Spring, Spring MVC, Spring Boot, Spring Cloud, Spring Security, Redis, Linux, MySQL, Unity, AWS EC2, AWS S3, AWS RDS, React.js, MongoDB, Cassandra, Docker, Kubernetes, Microsoft SQL Server
- **Product Management:** Agile/Scrum project management, Figma, Google Analytics, Jira, Jenkins
- **Language:** Chinese, English

WORK EXPERIENCE

Fuel Cell Store, OpenCart Designer/Developer Bryan, TX Aug 2023–Present

- Updating, maintaining, expanding, and scaling current web sites and servers, and designing new company web sites.
- Consistently create well-designed, tested code using best practices for website development, including mobile and responsive site design.
- Analyze web measurement data to make recommendations and implement improvements to further marketing objectives.

Laplace Investment Management, Backend Engineer July 2023–Aug 2023

- Working closes with web designer and Frontend developers to design and implement company's website.
- Used **HTML, CSS, JavaScript, React.js** to build website and implements UI improvement.

Chuwa America Corporation, Software Engineer Santa Clara, CA Apr 2023–Sep 2023

- Working closes with other developers and project manager to design software to satisfy customer's need.
- Implemented a **multi-threaded** message processing to handle lots of notifications concurrently, ensuring low latency.
- Built **RESTful** service using **Java, Python** and **JavaScript**.
- Identify and address performance bottlenecks, and rapidly fix bugs and solve problems.

Social Payme, Backend Developer Intern May 2023–July 2023

- Used **React.js** with **Tailwind.css** to render influencer's personalized webpage according to a given **API** or **JSON**.
- Created an article scraper to extract article data, ultimately got news articles relating to influencers.
- Work collaboratively with the development team to design, develop, and maintain the back-end infrastructure for our social media platforms. Develop and maintain databases to store and manage user data, content, and other information.

DigiFinex, Software Engineer Intern Irvine, CA June 2022–Aug 2022

- Reviewed documentation and source code of Waves, Decred and Decred-Next and completed the integration of these token by operating **Golang** programming language.
- Conducted development tests and code maintenance to prevent broadcast failure or query hash info failure.

ACADEMIC PROJECTS

Game Design Project

- Participated in the **prototype design** of a fruit ninja style fighting game and completed level selection and UI improvement.
- Implemented event tracking, analyzed the number of people who enter and success in a level, ratio of used types for every gear, times of gears showed and obtained, etc.

Full Stack Social Media Application

- Implemented the social media features, such as Authentication, CRUD posts, like and comment on other people's posts.
- Utilized **MongoDB, React, Sanity** to complete frontend and backend of the social media app.

Information Retrieval Engine

- Implemented a **multi-threaded** web crawler to simultaneously fetch data from various websites to reduce retrieval time.
- Achieved inverted index based on **MapReduce** to improve speed for key-words retrieval and optimized query efficiency.
- Implemented **PageRank** algorithm based on **Hadoop**, built adjacency matrix from hyperlinks of each page, and calculated Link-based Web Score based on page relation. Executed **AutoComplete** and **Spelling Correction** in search engines.

HONORS & AWARDS

- **HENU Merit Student** 2020 & 2019 & 2018 & 2017
- **HENU Merit Scholarship (Top 10%)** 2020 & 2019 & 2018 & 2017
- 1st place in the 2023 Salt Lake City Go Tournament, College Station Go Tournament, Houston Go Tournament