

Yichong Liu

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EDUCATION

University of Massachusetts Amherst

Amherst, MA

Bachelor of Science in Computer Science, Minor in Mathematics;

Aug. 2020 – May. 2023

CS Courses *Programming in Java and C, Data structures, Algorithms, Programming Methodology, Computer System Principles, Database Management, Web Programming, Operating System, Machine Learning, Information System, Search Engines*

Math Courses *Calculus, Multivariate Calculus, Discrete Math, Linear Algebra, Abstract Algebra, Probability theory*

Upcoming Fall Courses *Scalable Web Systems, Computer Network, Differential Equations*

TECHNICAL SKILLS

Languages: Java, C/C++, JavaScript, HTML/CSS, SQL/MySQL/PostgreSQL, Python, MATLAB

Frameworks: React.js, Node.js, Next.js, Bootstrap, Springboot, Pytorch

Developer Tools: Git, Github, Maven, Postman, VSCode, Eclipse, VS, IDEA, Android Studio, Pycharm

Libraries: Pandas, NumPy, Matplotlib

JOB EXPERIENCE

Web Developer Intern

June. 2022 – Present

SciQuel Team at Harvard Innovation Lab

Boston, MA

- Utilize front-end framework including Next.js + React.js to develop SciQuel official website including homepage and article page design and resize;
- Utilize Git + Github to manage the project repository and handle pull requests.
- In charge of website deployment on the Heroku and Vercel platform.

Undergraduate Course Assistant

Sep. 2022 – Dec. 2022

Manning College Information and Computer Sciences, UMass Amherst

Amherst, MA

- UCA for UMass Amherst COMPSCI 377 Operating Systems.
- Attend lectures to provide assistance to in-class activities, hold weekly office hours, grade assignments, and answer questions both online and during weekly in-person labs.

Back-end Developer Intern

Nov. 2019 – June. 2020

Zhejiang Gongshang Software Laboratory

Hangzhou, China

- Utilized Python, Machine learning model (Semi-Supervised Learning, SSL), flask, and enterprise datasets, to make a comprehensive assessment of the company's operating status and future prediction.
- Write 20+ pages project documents using LaTeX and complete the final oral presentation.
- The work won a second place at the National Student Service Outsourcing Innovation and Entrepreneurship Competition.

Java Software Developer Intern

July. 2019 – Aug. 2019

Sichuan Behome Prominent Technology Co., Ltd

Chengdu, China

- Develop school management system to help instructors with homework corrections and grade records
- Design, develop, troubleshoot, debug, test and implement codes by using Java springboot, Microsoft SQL server, Git + Gitee, etc.

PROJECTS

Rentern | HTML/CSS, Javascript, NodeJS, Postgresql, SQL, Websockets, Heroku

Feb. 2022 – May. 2022

- Developed a full-stack website to help people find ideal roommates based on their preferences
- Utilize PostgreSQL as the back-end, Bootstrap and pure HTML/CSS as the front-end.
- The chatting page is a plus using web sockets implemented in Javascript
- Project management and version control using Git/Github collaborating with three teammates

Word Scrabble | HTML/CSS, Javascript

Feb. 2022 – May 2022

- Developed a clone of word scrabble game using HTML/CSS and Javascript.

HONORS & AWARDS

Dean's International Scholarship College of Information and Computer Sciences

June 2021

Dean's List University of Massachusetts Amherst

Spring 2021 - Spring 2022