

REBECCA ZHU

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EDUCATION

Illinois Institute of Technology

Master's, Computer Science

August 2024 - December 2025

Illinois Institute of Technology

Bachelor's, Computer Science

January 2022 - May 2025

- Introduction to Algorithm; Data Structure and Algorithms; Database Organization; Discrete Math; Statistics and Probability; Software Engineering; System Programming; Computer Organization and Assembly Language; Wireless Networks and Performances; Data Communication; Machine Learning; Operating System

PROFESSIONAL EXPERIENCE

Wilbur Wright College - City Colleges of Chicago

Research Assistant

Chicago, IL, USA

June 2021 - June 2022

- Designed and implemented a mentor matching system based on research-based survey analysis, improving mentor/mentee matching experience
- Developed a matching algorithm to improve the mentor/mentee matching experience, resulting in improved pairing accuracy
- Tested the matching algorithm by creating a mobile app using Flutter and Firebase, ensuring user-friendly testing
- Supported the Principal Investigator in data collection and analysis, contributing to potential peer-reviewed publications

Wilbur Wright College - City Colleges of Chicago

Math Tutor

Chicago, IL, USA

January 2021 - March 2021

- Assist students in problem-solving, exam preparation, and homework assignments to improve their understanding and performance in calculus
- Provide personalized one-on-one or small group instruction to students in Calculus I, helping them understand core concepts such as limits, derivatives, and integrals

PROJECTS & OUTSIDE EXPERIENCE

Meta - Above and Beyond Computer Science Program

Apprentice

Remote

August 2022 - December 2022

- Collaborated with seasoned Facebook software engineers in a 10-week workshop series, deepening understanding of data structures and algorithms, and acquiring hands-on experience on prevalent technical interview subjects.
- Enhanced proficiency in data structures and algorithms through a comprehensive workshop series, gaining practical insights and industry-standard interview methodologies.
- Participated in a workshop series with seasoned Facebook software engineers, gaining practical insights on prevalent technical interview subjects and industry-standard interview methodologies.
- Engaged in a 10-week workshop series with seasoned Facebook software engineers, acquiring hands-on experience and practical insights on prevalent technical interview subjects.

Akuna Capital

Apprentice

Remote

August 2024 - September 2024

- Completed Akuna Capital's Options 201 Course, gaining hands-on experience in options market-making, pricing strategies, risk analysis, and workflow automation
- Engaged in online lectures, shadow sessions, and practical quizzes, enhancing quantitative analysis skills and understanding of the fast-paced trading environment at a top-tier options market-making firm

SKILLS

Programming Language : C/C++, Python, SQL, Assembly

Version Control System: Git

Machine Learning: Scikit-Learn, Pandas, NumPy, Matplotlib

Database Management: MySQL, PostgreSQL

Tools and IDEs: Visual Studio, Xcode, MySQL Workbench, Jupyter, Eclipse, Excel/Numbers/Sheets

Software Development Life Cycles: Agile Methodology, Waterfall Methodology

Soft Skills: Problem Solving, Effective Communication, Teamwork, Emotional Intelligence, Leadership

Interests: Yoga, Weightlifting, Running, Chess