Yi Xin Wang

✉ yixwang12@yahoo.com   📞 +1(206)-327-7630   in linkedin.com/yi-xin-wang   ○ github.com/yixwang88

Skills

Technical Skills: Java, JavaScript, Python, C, C#, MYSQL, HTML, CSS, MATLAB, Assembly Language, Node.js, React Native, UnitTest, Git

Soft Skills: Time Management, Communication, Problem-solving, Adaptability, Teamwork, Commitment

Education

Western Washington University *BS in Computer Science*   *Sept. 2021 – June 2025*
- GPA: 3.4/4.0
- **Coursework:** Data Structures, Algorithms Analysis, Database Systems, Computer Networks, and Operating Systems

Experience

Software Engineer Intern   *Bellingham, WA*
PACCAR   *Sept. 2024 – June 2025*
- Built a time-series data ingestion system for multiple formats, optimizing data flow for large datasets
- Created a flexible database schema for efficient storage and fast queries, scaling for 20% annual data growth
- Integrated Snowflake as the storage solution, ensuring high performance for large-scale queries
- Implemented error handling for missing or corrupted data, preventing data loss during ingestion and queries

Math Grader   *Bellingham, WA*
Western Washington University   *Sept. 2022 – June 2025*
- Collaborated with professors to evaluate assignments and provide feedback to students
- Maintained accurate records and updated grades promptly

Projects

Dictionary Mobile App   *Mar. 2024*
- Built a cross-platform word search app using the Free Dictionary API for iOS and Android
- Added form validation, audio playback, font switching, and theme adaptation for better user experience
- Tested with Jest to ensure reliability and functionality
- Tools Used: JavaScript, React Native, Expo, Jest

Puzzle and Adventure Game: The Dungeon of Duality   *June 2024*
- Developed a puzzle-adventure game featuring a unique realm-shifting mechanic
- Implemented core mechanics, including realm-shifting, smooth player navigation, and a final boss encounter
- Ensured engaging game play with fluid movement and well-designed progression
- Tools Used: C#, Unity

X16 Emulator and Assembler Development   *May 2022*
- Built a single-cycle X16 emulator with bitwise operations, instruction decoding, and memory management
- Developed an assembler with label handling and two-pass assembly for precise memory addressing
- Ensured reliable performance through testing, memory leak checks
- Tools Used: C, Assembly Language

Summary

Computer science student with a strong foundation in software development, proficient in Java, Python, C, and JavaScript. Experienced in time-series data ingestion and analysis. Grading experience demonstrates attention to detail and strong analytical skills.