

Grace Huang

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PROFESSIONAL EXPERIENCE

WASHINGTON UNIVERSITY IN ST. LOUIS

St. Louis, MO

Teaching Assistant (CSE 240, CSE 247, CSE 332)

August 2023 - Present

- Help students practice lecture material for Data Structures & Algorithms (CSE 247) during weekly studio sessions.
- Conduct weekly office hours to answer students' questions and assist on problem sets.
- Grade and provide feedback on exams and assignments for 300+ students.

PRINCIPAL FINANCIAL GROUP

Des Moines, IA

Software Engineer Intern

May 2024 - August 2024

- Assisted in the development, maintenance, and unit testing of 50+ web components for PFG's design system, ensuring functionality and usability across all Principal interactions.
- Collaborated daily with cross-functional teams, including product managers and designers, to deliver cohesive and high-quality products used by Principal's 20,000+ employees.

NATIONAL ADVANCED DRIVING SIMULATOR

Iowa City, IA

Data Analyst & Visualization Intern

June 2021 - August 2021

- Developed a batch-processing method using Python to clean 1000+ unstructured eye-tracking pixel data.
- Determined generalized areas of distraction amongst drivers by dividing the pixel data into quadrants and visualizing the data using various statistical models.

PROJECTS

FILE SYSTEM SIMULATION | <https://github.com/gracehjy/file-system-simulator> | C++

- Programmed a software simulation of a file system with a user interface imitating that of a terminal to allow users to interact with the system and have control over the files it contains.

CALENDAR | <https://github.com/gracehjy/calendar> | HTML, CSS, PHP, JavaScript, MySQL, AWS

- Developed a personalized and interactive calendar where different users can create descriptive events to put on their calendar, associate events with customizable tags, edit/delete events they've created, and share selected events with other users of the application.

CHAT SERVER | <https://github.com/gracehjy/chat-server> | HTML, CSS, JavaScript, Socket.IO, AWS

- Engineered a robust chat server that allows users to create and join public or private chat rooms with custom names, view current room participants, and send private messages to other users.

EDUCATION

WASHINGTON UNIVERSITY IN ST. LOUIS | MCKELVEY SCHOOL OF ENGINEERING

St. Louis, MO

Bachelor of Science, Computer Science + Mathematics; Minor in Biomedical Data Science

Expected Graduation: May 2026

- **GPA:** 3.98; 4x Dean's List
- **Relevant Coursework:** Data Structures & Algorithms, Logic and Discrete Mathematics, Object-Oriented Software Development, Introduction to Data Science, Rapid Prototype Development and Creative Programming, Introduction to Artificial Intelligence, Intermediate Statistics and Data Analysis with R, Foundations of Biomedical Computing
- **Clubs/Extracurriculars:** Association for Computing Machinery (ACM), Chinese Students Association (CSA), Insite

SKILLS

- **Technical Skills:** C++, Java, Python, HTML, CSS, PHP, JavaScript, AWS, Jest, React, MySQL
- **Tools:** Git, Visual Studio Code, Jira, Eclipse, Microsoft Teams, Microsoft Excel, Jupyter Notebook, Figma