

Kaitlyn Wang

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Education

Washington University in St. Louis | St. Louis, MO

Expected Graduation May 2025

Major: Business + Computer Science, Minor: Human-Computer Interaction

Cumulative GPA: 3.76

Coursework: Data Structures & Algorithms, Rapid Prototype Development and Creative Programming, Accounting, Object-Oriented Software Development, Capital Markets & Financial Management, Microeconomics

Skills

Java, HTML/CSS, Javascript, React, Firebase, PHP, SQL, Python, Git, Typescript, AWS, C++, R, Go

Experience

Software Engineer Intern | Northrop Grumman

May 2023-Jul 2023

- Implemented & delivered 4+ enhancements/features/bug fixes to modernize a Node.js-based software
- Develop license tool for the product with VITE React+Typescript+Redux for frontend and Go+SQL for backend with REST API & Ensure web security with JWT + HTTPS and form validation with regex
- Engaged in daily AGILE scrum meetings and biweekly sprint meetings to Plan, Demo, and Validate features
- Leveraged GIT + Bitbucket to maintain proper version control & Managed + Described 5+ tasks in Jira
- Mentor a new high school intern and Assist with set up & tasking

Intro to Data Science Teaching Assistant | Washington University in St. Louis

Jan 2023-Present

- Facilitate 2 weekly studio groups to reinforce/explain lecture concepts & foster an inclusive environment
- Guided 15+ students by debugging errors dealing with Python, NumPy, Pandas and answering questions
- Grade assignments for 150+ students & provide feedback to help students improve their understanding

Women in Computer Science Web Editor | Washington University in St. Louis

Nov 2022-Present

- Develop and Redesign the Women in Computer Science club website with HTML/CSS
- Table to recruit new 20+ members by explaining the purpose and benefit of the club

Undergraduate Research Assistant | Washington University in St. Louis

Sep 2022-May 2023

- Collaborate with research group to support with development of medical app that imports data from health app
- Analyze Swift code to see where potential errors are occurring
- Engage in weekly meetings to Update other group members & Discuss next steps

Full-Stack Software Engineer Intern | Enhearten

Jun 2022-Sep 2022

- Developed a 600+ lines of code empathy-building tool with React and Firebase where users can submit a story, generating 2 links: a personal submission page & a page to send for people to read & reply to the story
- Brainstormed 10+ improvements/features/designs & Executed them to maintain high standards of UI/UX & web security (including reCAPTCHA)
- Formatted code, Converted Javascript to Typescript, & Debugged 100+ Javascript/CSS/Typescript errors

Web Developer, Medical Assistant | Wang Medical

Apr 2020- May 2022

- Developed, Designed, & Update website and business logo viewed by 200+ patients
 - Analyzed feedback from 20+ patients to optimize website usability
 - Assist with Charting, Renewing patient prescriptions, Ordering lab tests, & Reading lab results for 300+ patients
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Projects

News Story Website | HTML/CSS, PHP, SQL, AWS

- Created mySQL database on Linux EC2 AWS instance to develop News Commentary/Sharing website
- Users can login/signup, post/delete stories, comment with user authentication and web security

Tic Tac Toe Game | C++, Visual Studio

- Created tic tac toe game with C++ where users can place pieces using coordinates on the board; the winning player and the moves used are displayed at the end of the game

Baseball Counter | Python

- Coded a Python script that reads+parse scores from file using regex computing players' batting averages

Eco-Stars | React, Javascript, Firebase

- Coded a sustainability game, allowing users to collect stars to form constellations for every sustainable act they perform