


# Shiqi (Cathy) Wu

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## EDUCATION

### University of Maryland

College Park, MD

*Bachelor of Science, Computer Science and Mathematics; GPA: 3.92*

*May 2026*

- **Relevant Courses:** Data Structures, Algorithms, Organization of Programming Languages, Computer Systems, Object Oriented Programming, Applied Probability and Statistics, Discrete Mathematics, Linear Algebra, Calculus I-III
- **Honors/Awards:** Computer Science Departmental Honors, Design Cultures & Creativity Honors College, Dean's List of Outstanding Students

## EXPERIENCE

### KPMG

McLean, VA

*Data & Analytics Intern*

*Dec. 2023 - Jan. 2024*

- Utilized Power BI for data cleaning and visualization, improving accuracy and accessibility by 15%
- Conducted data analysis using SQL to manipulate multiple large datasets containing 1,000+ records
- Collaborated with a group of 4, using data storytelling to present key findings and data-driven solutions
- Addressed critical health equity issues and disparities in the Washington metropolitan area

### UMD Department of Computer Science

College Park, MD

*Teaching Assistant - CMSC132: Data Structures & Algorithms*

*Aug. 2024 - Present*

- Collaborated with a team of 25 teaching assistants to grade projects, exams, and worksheets
- Held weekly office hours, assisting 450+ students with concepts in Java, data structures, and algorithms
- Guided students in debugging projects and creating effective test cases to improve code coverage and style
- Reviewed and provided feedback to instructor on draft course materials before distribution to students

### App Development Club

College Park, MD

*Web Development Bootcamp Member*

*Feb. 2024 - Present*

- Gained expertise in full stack development using the MERN stack (MongoDB, Express.js, React, and Node.js)
- Developed proficiency in JavaScript for front-end development and FastAPI for back-end
- Leveraged Git/GitHub for version control and collaboration
- Participated in 12 weekly lectures to master the fundamentals of full-stack web and app development

### Break Through Tech

College Park, MD

*Summer Guild Participant*

*Jul. 2023 - Aug. 2023*

- Collaborated with a team of 3 to develop an app using JavaScript, targeted to help students manage finances
- Utilized Thunkable to design the app prototype and implement secure authentication protocols
- Delivered presentation to 50+ peers and mentors, showcasing a user-friendly interface and robust functionality

## PROJECTS

### Chicken Kitchen Project | *HTML, CSS, JavaScript*

**Oct. 2023**

- Developed a website using HTML, CSS, and JavaScript, providing recipe suggestions to 500+ college students based on their selection of up to 20 ingredients
- Programmed with a team of 4 at a hackathon to ensure a user-centric design, demonstrating creativity, problem-solving skills, and a strong understanding of frontend development principles

## TECHNICAL SKILLS

**Languages:** Java, Python, HTML/CSS, JavaScript, TypeScript, C, SQL, OCaml, Rust, Assembly, R, LaTeX

**Technologies:** Git/GitHub, Power BI, React, Linux/Unix, FastAPI, MATLAB, Overleaf, Visual Studio Code, Eclipse IDE, Microsoft Office Suite, MacOS, Windows

**Certifications:** Responsive Web Design (freeCodeCamp)