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:** Object-Oriented Programming, Data Structures, Algorithms, Computer Systems, Organization of Programming Languages, Calculus I-III, Linear Algebra, Discrete Mathematics, Applied Probability and Statistics
- **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)