

XU WANG

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📁 [xu-wang-portfolio](#)

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Education

The University of Texas at Austin

M.S in Artificial Intelligence

Aug. 2024 – present

Austin, TX

Virginia Tech

M.Eng in Computer Science GPA 4.0

Aug. 2020 – Dec. 2021

Falls Church, VA

Experience

Geico

Software Engineer

May. 2024 – Present

Remote

- Worked in the core insurance platform organization, developing multiple APIs in .NET to mock vendor data responses. These APIs improved efficiency and ensured high reliability for testing purposes. The use of mock APIs significantly reduced turnaround time for both manual and automation testing teams.
- Led code clean-up and refactoring initiatives. Identified and retired all obsolete code from code base. Managed and guided cross-team regression testing to ensure system stability during refactoring.
- Identified and implemented an improved logging solution and optimized Cosmos DB queries, leading efforts to enhance performance during load testing.

Amergis Healthcare Staffing

Software Engineer I

Jan. 2024 – May. 2024

Columbia, MD

- Worked on developing the MaxView application. MaxView is a web application that offers timekeeping, communication, recruiting analytics and candidate status management services. Contributed to code migration from .NET MVC to React.js + .NET framework.
- Integrated embedded Power BI reports into the MaxView app, developing UI components in React and building the controller and service layers in .NET. Introduced a custom error handling dialog that ensures UI consistency.
- Designed and developed a secrets and certificate management system using Azure Key Vault and Event Grid, automating secret and certificate rotation through Azure Functions that triggered by nearing expiry events.
- Designed the workflow for feature flag implementation. Developed flag list and details UI in React and integrated feature flag services in .NET with data stored in Azure Key Vault, ensuring seamless transitions during code refactoring.
- Wrote E2E tests for newly-developing features using Playwright library. Maintained E2E tests during refactoring, monitored nightly pipeline runs, and coordinated bug identification and resolution within the team.
- Developed secure authentication and authorization endpoints in .NET to manage access and refresh tokens, encrypting and storing refresh tokens in Azure Key Vault for secure validation.

Dyson

Software Engineer

May. 2022 – June. 2023

Shanghai, China

- Worked on MyDyson Application. This is an IoT mobile application for managing Dyson devices, providing user personalized features of their Dyson machines.
- Developed the "Instant Control" set of pages for pre-releasing Dyson machines. Designed listening queue to process real-time MQTT messages, achieving zero-delay, no-loss of messages.
- Implemented user manual and troubleshooting guides web pages, resulting in over 3,000 monthly interactions and a 10% boost in user engagement metrics.
- Participated refinement process of user interface design. Refining animation effects in existing components. This refactoring significantly reduces memory usage when loading the page.
- Collaborated closely with the UI/UX team to implement new components design following material UI design principles. Redesigned around 30% of components including swiper, card and data containers.
- Engaged in Agile methodologies, completing 100% of assigned tickets on schedule, which contributed to on-time delivery of project milestones.

Technical Skills

Programming Languages: C#, TypeScript/JavaScript, Java, C++, Python, Kotlin, SQL

Frameworks/Tools: React, Vite, Webpack 5, Jest, .NET Framework, Node.js, Springboot, Django

Cloud : Azure CLI, Azure Portal, Azure KeyVault, Azure Event Grid, Azure Function