Roy Xia

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Summary

Software Developer with 5+ years of experience in full-stack C#/.NET, test automation, and agile development practices seeking new opportunities to build clean maintainable software in a collaborative team.

Technical Skills

Languages: C#, Python, JavaScript, Java, C++, HTML, CSS, React, jQuery, PHP
Frameworks & Tools: .NET, SpecFlow, Playwright, Cypress, Selenium, Visual Studio, VS Code, Azure DevOps, Git, TFS
Databases: SQL, MySQL, MongoDB
Certifications: Microsoft Azure Fundamentals (AZ-900), Microsoft Azure AI Fundamentals (AI-900)

Professional Experience

Software Developer – *Ceridian Dayforce | Mar 2024 – May 2025*
- Developed onboarding workflows including onboarding policy and first-time access emails
- Integrated DocuSign E-signature for seamless user authentication
- Modernized legacy UI pages for accessibility compliance and enhanced functionality
- Investigated and resolved 30+ client-reported bugs to improve platform stability and reliability

Software Engineer in Test – *Ceridian Dayforce | Apr 2020 – Mar 2024*
- Led automation framework migrations from Fitnesse to SpecFlow (*2021*) and then to Playwright (*2024*), enhancing test runtime speed, reliability, and maintainability
- Automated 250+ cross-platform tests; increased regression coverage from 30% to 100% of core functionality
- Mentored multiple interns through code reviews, architecture guidance, and peer programming.
- Identified and reported critical issues in deployed code detected by automated tests, ensuring timely resolution and maintaining code quality.
- Streamlined cross team testing data creation via API calls to ensure uniformity between multiple teams
- Maintained CI/CD pipelines and led release validation sign-offs

Test Engineer Intern – *Ceridian Dayforce | Jan 2020 – Apr 2020*
- Created 40+ automated tests, boosting test coverage by 20%.
- Improved automation runtime by 30% with optimized data handling and dynamic error handling

IT Software Intern – *Mon Sheong Foundation | Jun 2018 – Aug 2018*
- Designed and maintained MySQL schemas and PHP data scripts for openSIS cloud-based information software
- Implemented redesign of website interfaces using HTML5 and CSS.

Undergraduate Teaching Assistant – *Carleton University | Sep 2017 – Dec 2017*
- Conducted tutorials, supported lectures, and graded assignments for CS courses.

Projects

OpenCV Sign Detection (*https://github.com/xiaroy/OpenCV-Sign-Detection-Program*)
- Created a Python program for detecting traffic signs using OpenCV and NumPy

Personal Website (*https://github.com/xiaroy/xiaroy.github.io*)
- Built a responsive portfolio site using HTML5, CSS, and Bootstrap.

Connect Four AI (*https://github.com/xiaroy/Connect-Four-AI*)
- Implemented an AI-driven Connect Four game using minimax and alpha-beta pruning

Education

Carleton University – *B.C.S. Honours, Software Engineering Stream | Sep 2015 – May 2020*