

# Thomas Oliver

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## SUMMARY

Results-driven AI QA Automation Engineer with over 3 years of experience refining and deploying AI-driven test automation solutions. Passionate about optimizing testing processes through intelligent systems to enhance efficiency. Collaborated extensively with agile teams, integrating user stories directly from JIRA and Confluence into automated workflows. Adept at leveraging LLMs and context-driven strategies, focusing on quality engineering throughout development. Excited to bring a proactive mindset and proven track record of reliability to new challenges while incorporating AI functionalities that boost performance.

## EXPERIENCE

### AI QA Automation Engineer

January 2024 - Present

BrightPath Technologies

Chicago, IL

Led efforts in designing and implementing advanced automation frameworks using LLMs. Worked closely with product teams, defining acceptance criteria to enhance comprehensive test coverage. Focused on conducting thorough performance analysis on AI-generated tests, optimizing them for stability and maintainability.

- Designed dynamic automation frameworks that streamline test generation processes.
- Collaborated with cross-functional teams to integrate user feedback from sprints.
- Created clear documentation and acceptance criteria ensuring all stakeholder needs are met.
- Implemented improvements based on angle-focused analytics, reducing manual testing labor.

### Junior AI Test Engineer

June 2022 - December 2023

NextGen Innovations

Peoria, IL

Supported the enablement of UI and API testing through developing AI-driven automation solutions. Focused on enhancing output quality via prompt engineering and effective context design. Actively engaged with teams to identify, troubleshoot, and resolve flaky test scenarios leveraging data insights.

- Assisted in crafting automation scripts for enhanced UI/APIs coverage.
- Utilized the latest tools to support tests aimed at diverse interfaces.
- Employed sound judgment to dissect test results, offering actionable recommendations.
- Promoted an adaptable approach leveraging AI to assess testing attributes intricately.

### Intern

May 2021 - August 2021

FutureTech Labs

Champaign, IL

Contributed to automating existing test cases through utilization of Selenium and Cypress in a structured manner. Participated actively in post-test analysis sessions to propose process improvements based on results gathered.

- Automated a suite of tests significantly increasing testing speed.
- Provided insightful feedback during review meetings regarding enhancements.
- Engaged regularly with eight-member team fostering a collaborative work environment.
- Interacted with developers to answer queries related to test case limitations.

## LEADERSHIP & AWARDS

- Certified Automation Tester (CAT) - 2023
- AI & Machine Learning Certification - 2023

## EDUCATION

### Bachelor's Degree in Computer Science



2022

University of Illinois GPA: 3.5

Champaign, IL

**Coursework:** Data Structures, Software Engineering, Artificial Intelligence, Database Management

## CERTIFICATIONS

- Certified Automation Tester (CAT)  2023
- AI & Machine Learning Certification  2023

## TECHNICAL SKILLS

- Automation Tools:** Selenium, Cypress, Playwright
- Frameworks:** LangChain, Custom Automation Frameworks

- **APIs:** OpenAI APIs, RESTful services
- **Project Management Tools:** JIRA, Trello, Confluence
- **Version Control:** Git, SVN
- **Testing Methodologies:** Unit Testing, Integration Testing, End-to-End Testing
- **Programming Languages:** Python, Java, JavaScript
- **Data Formats:** JSON, XML
- **Database Management:** MySQL, PostgreSQL
- **Cloud Platforms:** AWS, Azure

**SKILLS**

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- Test Automation
- Selenium
- Agile Practices
- API Testing
- AI & Machine Learning
- Cypress
- Performance Analysis
- UI Testing
- LLMs and Context Design
- Playwright
- Automation Frameworks
- Acceptance Criteria Definition
- JIRA & Confluence
- Dynamic Test Generation
- Prompt Engineering
- Collaboration Tools

**PROFESSIONAL AFFILIATIONS**

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- Member of IEEE Computer Society since 2023
- Active participant in local tech meetups focusing on AI advancements

**LANGUAGES**

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- English (Native)
- Spanish (Proficient)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST