

Richard Spencer

Test Technician Engineering

Richard Spencer
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Detail-oriented and systems-focused Test Technician with 4+ years of experience in regulated medical device environments, performing verification and validation (V&V), developing test plans, and supporting product integration testing. Demonstrated ability to operate beyond technician scope, contributing to systems-level discussions on requirements traceability, strategy, and remediation. Skilled at streamlining test evidence workflows, supporting security testing, and collaborating across engineering, QA, and external stakeholders. Currently pursuing a B.S. in Computer Science, with interest in growing into Test Engineer or SDET roles.

Skills

- **Testing & QA:** V&V, Integration Testing, Regression; Test Plan Development, Test Case Execution, Defect Triage, Traceability
- **Tools:** Jira, MS Office, MatrixALM, Jama, Docker/Compose,
- **Scripting/Automation:** Java & Python (basic), MATLAB/Simulink (intro)
- **Soft Skills:** Cross-functional collaboration, Communication, Documentation, Problem solving, Process improvement
- **Regulatory:** ISO 13485; IEC 60601; 21 CFR 1020 (X-ray diag); HIPAA

Experience

Stryker / Staff Test Technician - (Test Engineer-Level Scope)

DEC 2024 - Present, SHIRLEY, MA

- Lead test execution for a next-gen medical device, applying V&V methodologies aligned with ISO 13485 and IEC 60601 standards.
- Collaborate in cross-functional systems engineering meetings to support requirements traceability, remediation planning, and test strategy development.
- Validate system-level integration of products beyond the original assignment scope, ensuring cross-compatibility within a larger product ecosystem.
- Support technical documentation development by reviewing and revising protocols, procedures, and engineering reports.
- Guide onboarding and knowledge transfer for junior technicians and contractors to maintain continuity in test development processes.

Stryker / Associate Engineer in Test

FEB 2024 - DEC 2024 (contract), SHIRLEY, MA

- Developed and maintained test plans, protocols, and detailed reports for AIRO-related hardware/software systems.
- Designed and deployed a GUI-based evidence capture workflow (via Apple Shortcuts) that standardized file naming, folder structuring, and cloud delivery, significantly reducing documentation time and errors.
- Acted as liaison during third-party penetration testing, clarifying product workflows and facilitating successful setup and execution.
- Led auxiliary system-level testing, contributing to the successful validation of new functionality and design updates.
- Participated in legacy software reviews, uncovering unresolved defects with potential clinical impact and contributing to risk mitigation planning.
- Drafted Python/Java scripts to automate repetitive checks and data prep.

AMD / QE Engineer

NOV 2022 - NOV 2023 (contract), BOXBOROUGH, MA

- Created and executed structured test plans, meeting aggressive weekly validation targets for high-performance hardware platforms.
- Maintained a traceable defect and results database tracking thousands of test cycles; identified patterns to improve test prioritization.
- Documented and triaged defects using Jira and internal ticketing systems to ensure timely resolution and release readiness.
- Partnered with ISV (Independent Software Vendor) teams to optimize software compatibility and test automation support.

Stryker / Senior Engineering Technician

SEP 2021 - NOV 2022 (contract), SHIRLEY, MA

- Managed requirement traceability and test documentation in MatrixALM for Class II medical devices.
- Supported early-phase concept testing for robotics prototypes in collaboration with R&D and systems engineering.
- Executed detailed test protocols to evaluate system performance and compliance with internal quality standards.
- Completed Level 1 Service Technician certification for AIRO TruCT imaging systems to enhance support during integration and validation.
- Assisted in test automation strategies for the TruCT platform, improving test coverage and reducing manual effort.
- Coordinated cross-functional testing schedules to hit release gates

Once Upon A Tile / Warehouse Manager

APR 2019 - SEP 2021, FITCHBURG, MA

Niche Hospitality / Bartender, Server

JUL 2012 - SEP 2022, LEOMINSTER, MA

Education

Southern New Hampshire University / BS, Computer Science

Expected Graduation: late 2026, Manchester, NH

- 4.0 GPA

MWCC / Graphic Design

2009 - 2014, GARDNER, MA

- Dean's List (multiple years)
- Spring Design Exhibit Selected (multiple)

Other Interests

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- 3D Printing and Custom CAD Design
 - Photography and Videography
 - Web and Graphic Design