Bioengineer | Quality Assurance Engineer
Joana Florescano Olguín

Contact Information

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Professional Profile

Bioengineer and Quality Assurance Engineer with experience in software development and quality assurance. Skilled in functional, non-functional, UI, API, and native mobile testing, with expertise in test automation using Pytest, Selenium, and Postman. Proficient in designing, executing, and reporting test cases and bug tracking with Jira. My involvement in research projects has developed key skills such as efficient information retrieval, data management and analysis, and proactive problem-solving. Passionate about technology and committed to ensuring the functionality, reliability, and technical excellence of technological solutions, especially those impacting people's quality of life and health.

Skills

Languages: Python, SQL, HTML/CSS, Git, Linux
Tools: GitHub, VS Code, PyCharm, Charles Proxy, Postman, Cygwin, Jira, Android Studio, MATLAB
Frameworks: Pytest, Selenium WebDriver

Experience

Teleflex - Quality Engineer Intern — Baja California, 2024
- Designed and implemented an automated script using Visual Basic for Applications (VBA) to identify document inconsistencies and apply automated modifications, improving efficiency and reducing manual errors.
- Applied quality assurance principles to ensure data accuracy and process consistency in document handling.

Engrama - STEM Tutor — Baja California, 2021-2024
- Designed and prepared educational materials, including exercises, homework, and interactive content, to optimize learning in STEM subjects.
- Conducted classes and workshops, such as "Learning to Program," a workshop introducing programming to girls as part of the "My First Day as a Scientist" program.

CSCI - Computational Science and Computational Intelligence — Las Vegas, 2023
- Presented the conference "Statistical Analysis of Cross-Correlation Index for Identifying Abnormal ECG Signals" at the international "Computational Science and Computational Intelligence (CSCI) 2023" congress, showcasing results from the "Electrocardiographic Signal Analysis" project.

Autonomous University of Baja California — Tijuana, Baja California
Research Intern in Electrocardiographic Signal Analysis — August 2023
- Developed an automatic arrhythmia classifier using Python, implementing data analysis, statistical techniques, and test automation, optimizing signal analysis by detecting and classifying abnormal patterns.

University of Antioquia — Medellín, Antioquia
Research Intern in MRI Image Analysis — February 2023
- Developed an algorithm for processing MRI images using Linux, Python, MrTrix, ANTsPy, and FSL to identify diffusion metrics (diffusivity and anisotropy) in DTI images for detecting early Alzheimer's biomarkers related to the E280A mutation.

Projects - TripleTen

Urban.Routes - Web Testing | *Devtools, Jira, Charles Proxy, Figma*

- Designed and executed checklists and test cases for web functionality testing, performing positive and negative tests.
- Identified bugs in the application and documented error reports in Jira.
- Performed API request interception using Charles Proxy.

Urban.Grocers - API Testing | *Postman, Jira, JSON, ApiDoc, Swagger*

- Interpreted API documentation (Swagger and ApiDoc) to design and execute test cases.
- Conducted functionality and integration tests on the new API version of Urban.Grocers, validating endpoints for kits, shopping carts, and delivery services using Postman.
- Documented results and bugs (400, 401, 404, 409) in Jira.

Urban.Lunch - Mobile Testing | *Android Studio, Jira*

- Designed and executed test checklists, documenting bugs in Jira.
- Performed tests on emulators in Android Studio and real devices.

Urban.Grocers - Automated API Testing | *Pytest, Python, Pycharm, Selenium, WebDriver*

- Developed and executed automated functionality tests for Urban Routes using Selenium WebDriver and Pytest.
- Implemented the Page Object Model (POM) technique to efficiently organize and maintain test code.

Education

Autonomous University of Baja California   Tijuana, Baja California
Bachelor's Degree in Bioengineering   2019 - 2024
Thesis: "Automated classification of electrocardiographic signals in women aged 40 to 60"

Quality Assurance Engineering   November 2023 - July 2024
TripleTen Online Bootcamp

Soft Skills

Initiative - Love for Learning - Responsibility - Teamwork - Organization and Time Management

Languages

English - C1 | Spanish - Native