







# Daniel David Fernandes

• Computer Science - Software Engineering •

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## EDUCATION

2019 - 2022 • Master's degree in Computer Science - Federal University of Bahia (UFBA)  
- Research line: Software Engineering focused on automated testing

2014 - 2019 • Bachelor's degree in Computer Science - Federal University of Bahia (UFBA)

## PROFESSIONAL EXPERIENCES

### Nov 2021 - Present

#### Quality Analyst

##### **Invillia - Araraquara, SP, Brazil**

- AME Digital team, ERP and WMS, e-commerce (bseller.com.br)
- Activities: system documentation, manual testing, defect reporting, suggestions for improvements in the software development process, transition to deploying automated testing (Python and Postman)
- Development methodology: Agile and Scrum
- invillia.com
- Full-time, 40h per week

### Ago 2021 - Nov 2021

#### Software Test Analyst

##### **Luxfacta IT Solutions - software factory, Rio Claro, SP, Brazil**

- Activities: Test plan creation; manual test execution; defect reporting (JIRA), functional and non-functional system test, scripts for automated functional test (Selenium).
- Development methodology: Scrum, Daily Meeting, Sprint.
- luxfacta.com
- Full-time, 40h per week

### Mar 2017 - Oct 2017

#### Software Analyst Intern

##### **Superintendency of Information Technology - UFBA, Salvador, BA, Brazil**

- Project: SIGAA-UFBA (Integrated System for Academic Activities Management)
- Activities: Code analysis, system solution proposals, defect reporting (Redmine), evaluation and improvements suggestion, functional and non-functional testing, automated testing (Selenium).
- Development methodology: Scrum, Daily Meeting, Sprint, Kanban, Planning Poker
- sti.ufba.br
- 30 hours per week

## ACADEMIC EXPERIENCES

Aug, 2018 -      **Teacher's Assistant as a scholarship student**  
Dez, 2018      **Federal University of Bahia**

- Object-Oriented Programming course
- 216 hours

Aug, 2015 -      **Scientific Initiation**  
Aug, 2016      **Federal University of Bahia / CNPq**

- Project: Capture and visualizations of Libras gestures/signs in a markerless augmented reality environment
- 960 hours

## PROJECTS

- AutomTest - Test case generator tool for JUnit based on functional requirements
- AutomTest 2.0 - A User Stories Natural Language Processing Tool for generating automated test cases
- TEMPY - Automatic Test Smell detector for Python test code

## PUBLICATIONS

**Handling Test Smells in Python: Results from a Mixed-Method Study**

**Fernandes, D. D.;** Machado, I. C ; Maciel, R. S. P.

Brazilian Symposium on Software Engineering, 2021 (Online)

**Understanding practitioners' strategies to handle test smells: a multi-method study**

Santana, R. S.; **Fernandes, D. D.;** CAMPOS, D.; Soares, L. R.; R. S. P. Maciel; Machado, I. C.;

Brazilian Symposium on Software Engineering, 2021 (Online)

**Towards a test case generation tool based on functional requirements**

**Fernandes, D. D.;** Maciel, R. S. P.

Brazilian Symposium on Software Quality, 2020 (Online)

**Security Smells in Infrastructure as Code using Docker**

**Fernandes, D. D.;** Ayres, L. D. G., Sant'Anna, C. N.

Brazilian Symposium on Information and Computational Systems Security, 2020 (Online)

## AWARDS

- Honorable mention to paper: Security Smells in Infrastructure as Code using Docker, 2020
- 3rd place - International Software Testing Contest, IEEE Reliability Society, 2019

## LANGUAGES

- Portuguese, Native
- English, Advanced

## SKILLS

- |                  |          |            |                      |
|------------------|----------|------------|----------------------|
| • Automated Test | • Java   | • unittest | • Git                |
| • Python         | • Junit  | • SQL      | • Postman / Insomnia |
| • Selenium       | • pytest | • HTML/CSS | • TestRail / Jira    |