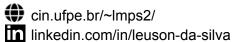


Léuson da Silva,

PhD | Researcher, Recife – Brazil Brazilian, Single, DOB: March 2, 1993



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github.com/leusonmario

Highlights of Qualifications:

- 8+ years of conducting and leading research in the areas of software engineering, mining software repositories, software verification, and developer assistive tools
- 10+ years of programming experience through open-source and side projects, as well as internships
- Research publications at prestigious international software engineering conferences and journals, including ICSE (Doctoral Symposium), MSR, ICSME, and JSEP
- Reviewer in prestigious conferences and journals, including SANER'2024, TSE, JSS, and JSEP

Education

Mar 2018 – Feb 2022

Ph.D. in Computer Science

Federal University of Pernambuco, Recife, PE, Brazil Visiting Period at Chalmers & University of Gothenburg (Oct 2019 – Aug 2020) GPA 4.0/4.0

Mar 2016 - Feb 2018

M.Sc. in Computer Science

Federal University of Pernambuco, Recife, PE, Brazil GPA 3.84/4.0

Mar 2011 – Dec 2015

B.Sc. in Software Engineering

Federal University of Ceará, Quixadá, CE, Brazil

GPA 9.27/10.0

Visiting Period at TU Munich (Mar 2014 – Feb 2015)

Experience

Academic

| Mar 2023 – Present | Postdoctoral Student , Polytechnique Montreal <i>Research Topics:</i> | |
|---------------------|--|---------------------------------------|
| | • Large Language Models | AI principles |
| | • Code Review | Empirical Studies |
| | Mining Software Repositories | |
| Mar 2022 – Mar 2023 | Assistant Professor I, Catholic University of | |
| | Pernambuco | |
| | Courses: Software Engineering, Object-Oriented | |
| | Programming, Software Testing, and Programming | |
| | Languages Paradigms (graduat | te courses) |
| Mar 2016 – Feb 2022 | Research Assistant, Software | Productivity Group |
| | Federal University of Pernambuco, Recife, PE, Brazil Research Topics: | |
| | Code Integration Conflicts | • Continuous Integration |
| | Mining Software Repositories | • Empirical Studies |
| | • Syntactic and Dynamic Analysis | • Code Merge Tools |
| Sep 2021 – Dec 2021 | Lecturer , FAFIC | |
| 3cp 2021 - Dec 2021 | Course: Software Testing (Graduate course) | |
| | commendation of the control of the c | |
| Feb 2020 – Aug 2020 | Visiting Researcher, | |

Thorsten Berger

Chalmers & University of Gothenburg, supervised by

Research Topics:

- Code Integration Conflicts
- Mining Software Repositories
- Empirical Studies
- Dynamic Analysis

Oct 2019 - Jan 2020

Research Assistant,

Chalmers & University of Gothenburg, supervised by Thorsten Berger

Research Topics:

- Code Integration Conflicts
- Empirical Studies
- Mining Software Repositories
- Dynamic Analysis

Industry

Mar 2015 - Dec 2015

Software Engineer Intern, NPI

Federal University of Ceará, Quixadá, CE, Brazil Roles: Process Analyst and Back/Frontend Developer *Technical Skills:* Java, Spring MVC, PostgreSQL

R&D Projects

Sep 2021 - Mar 2022

SAM - Semantic Merge Tool

Designed a technique to merge code based on serialization and unit test generation tools. The tool is under development

Technical Skills: Java, Python, Maven

Mar 2020 - Aug 2021

SMAT - Detection of Test Conflicts

Designed and developed a tool to detect test conflicts based on unit test generation

Technical Skills: Java, Python, R, Docker

Mar 2019 - Feb 2020

Randoop Clean

Proposed and developed improvements on the Randoop tool aiming to drive the generation of unit tests based on a specific target code

Technical Skills: Java, Travis CI

Mar 2018 – Feb 2019

FixMerge - Automatic Repair Tool

Designed and developed a tool to automatically detect and fix build conflicts based on code syntactic analysis

Technical Skills: Java, Ruby, Maven

Mar 2017 - Feb 2018

TravisAnalysis - Detection of Build Conflicts

Designed and developed a technique to detect and report build conflicts caused by conflicting code

contributions

Technical Skills: Java, Ruby, Travis CI, R, Maven

Technical Skills

Good knowledge: Software engineering, Agile development, Software

Testing, SQL (PostgreSQL, Oracle), Java, Python, Ruby, C, Shell Script, Git, JUnit, Selenium, Mockito, Docker, Maven, Gradle, Travis CI, GitHub, GitHub Actions, Spring

MVC, R, LATEX, Linux, Windows

Basic knowledge JavaScript, C++, Flutter, Machine Learning