

Jeanderson Candido

R. Dr. Ivanildo Guedes Pessoa, 184. Apt 1404 – Joao Pessoa, PB 58037-325, Brazil
jbc5@cin.ufpe.br | <https://jeandersonbc.github.io>

Research Interests

Program Analysis, Software Testing, Software Architecture, Programming Languages

Education

2016 – 2018¹ M.S. in Computer Science, *Federal University of Pernambuco (UFPE), Brazil.*
2009 – 2014² B.S. in Computer Science, *Federal University of Campina Grande (UFCG), Brazil.*

Experience

02/16 – current Research Assistant (Graduate). *Federal University of Pernambuco. Brazil.*
Advisor: Prof. Dr. Marcelo d’Amorim
I lead a study on test suite parallelization in open-source projects, and I help our research group with other ongoing projects.

03/15 – 01/16 Full Stack Developer. *Federal University of Campina Grande. Brazil.*
Worked on the development of a management system for Compal Eletronics (Taiwan). Highlight tasks include designing the architecture of the front-end application, developing technical reports to our client, and helping my team to migrate from SVN to Git. (*Hibernate/Spring Boot/KnockoutJS*)

04/14 – 08/14 Open-Source Contributor. *Eclipse Foundation/Google Summer of Code. Remote.*
Mentor: Lars Vogel
I evolved the API of the JFace Framework, part of the Eclipse IDE platform, to target Java 1.6. [[web](#)]

08/13 – 08/14 Research Assistant (Undergraduate). *Federal University of Campina Grande. Brazil.*
Advisor: Prof. Dr. Rohit Gheyi.
I developed a tool that exhaustively generates C programs based on Alloy specifications. This tool was designed to support a verification technique for refactoring engines in C. (*Java/Alloy*).

05/13 – 08/13 Research Assistant Intern (Undergraduate). *University of Massachusetts, Amherst. USA.*
Advisor: Prof. Dr. Yuriy Brun
I worked on an Eclipse plugin that performs continuous analysis to identify behavioral changes while the developer is modifying the source code. (*Java/Eclipse PDE*).

08/11 – 04/12 Research Assistant (Undergraduate). *Federal University of Campina Grande. Brazil.*
Advisor: Prof. Dr. Wilkerson Andrade
I developed and implemented a Domain Specific Language as a front-end interface to support a framework of test case generation for Real-Time Systems. (*Java/JavaCC*). [[web](#)]

Honors and Awards

- ACM SIGSOFT CAPS Grant. 11/17.
- Recipient of a FACEPE³ fellowship for graduate students. 2016 – 2018.
- Proposal accepted and successfully concluded in the Google Summer of Code program. 2014.
- Dean’s List at Walsh University. Fall/13.
- Received full scholarship from the Brazil Scientific Mobility Program to study abroad in the USA for 1 year. 05/12.

Publications

ASE’17 **Jeanderson Candido**, Luis Melo, Marcelo d’Amorim. Test Suite Parallelization in Open-Source Projects: a Study on its Usage and Impact. In: *IEEE/ACM Intl. Conference on Automated Software Engineering (ASE)*, pages 838-848, Urbana-Champaign (IL), US, Nov. 2017 – (accpt. 21% [65/314]) – [[pdf](#), [web](#)]

1 Expected graduation in April, 2018.
2 Exchange student in Computer Science at Walsh University (Ohio, USA) from August 2012 until April 2013.
3 FACEPE is a research funding agency from the State of Pernambuco, Brazil.