

Lucas Pereira da Silva

General Information

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Page: <https://github.com/lucasPereira>

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Experience

2024 - present

Senior Backend Engineer at Ratio Technologies.

2023 - 2024

Senior Backend Engineer at FullStack Labs.

2021 - 2023

Senior Engineer at Cellcrypt Inc.

2020 - 2021

Development Manager of *Course Monitoring and Evaluation System (SAAS)* at Federal University of Santa Catarina, Florianópolis – Brazil.

2017 - 2021

System Analyst at Federal University of Santa Catarina, Florianópolis – Brazil.

2014 - present

Researcher at Software Engineering and Database Laboratory, Federal University of Santa Catarina, Florianópolis – Brazil.

2019 - 2020

Programmer of the *Judicialization System* at Federal University of Santa Catarina, Florianópolis – Brazil.

2018

Teacher of the *Software Testing Training Course* at Federal University of Santa Catarina, Florianópolis – Brazil.

2017

Teacher of the *Software Testing Course* at University of the Vale do Itajaí, São José – Brazil.

2014 - 2015

Programmer at Lepidus Tecnologia, Florianópolis - Brazil.

2014 - 2018

Programmer of *Course Monitoring and Evaluation System (SAAS)* at Federal University of Santa Catarina, Florianópolis – Brazil.

2012

Teacher of the *Web Page Accessibility and Web Programming Training* Course at Santa Catarina Association for Integration of the Blind, Florianópolis – Brazil.

2011 - 2013

Scholarship Student of the *Urban Bus Real-Time Information and Control System (SincroBUS) Project* at Educational Software Laboratory, Federal University of Santa Catarina, Florianópolis – Brazil.

2011

Scholarship Student of the *Social Integration in Visual Impaired Community Project* at Educational Software Laboratory, Federal University of Santa Catarina, Florianópolis – Brazil.

2010 - 2013

Programmer at Educational Software Laboratory, Federal University of Santa Catarina, Florianópolis – Brazil.

2007 - 2008

Intern at Computer Laboratory, Federal Institute of Santa Catarina, Camboriú – Brazil.

Education

2016 - present

Ph.D. student in *Computer Science – Software Engineering*.
Federal University of Santa Catarina, Florianópolis – Brazil.
Thesis: Automated Refactoring of Test Code.

2014 - 2016

Master's degree in *Computer Science – Software Engineering*.
Federal University of Santa Catarina, Florianópolis – Brazil.
Dissertation: Reuse of Code and Execution of Test Fixtures between Test Classes.

2010 - 2013

Bachelor's degree in *Computer Science*.
Federal University of Santa Catarina, Florianópolis – Brazil.
Course completion assignment: Webis: Language and Accessible Programming Environment.

2006 - 2008

Associate degree in *Computer*.
Federal Institute of Santa Catarina, Camboriú – Brazil.
Course completion assignment: Computer Solutions.

Computer Skills

- Object-oriented programming languages and design patterns.
- Software testing, Test-Driven Development and Behavior-Driven Development.
- Continuous Integration and Continuous Delivery.
- Back-end development.
- Front-end Web development.
- Android development.
- iOS development.
- Agile software development practices.
- Design of RESTful APIs.
- Software architecture design.
- Linux.

Languages

Portuguese: native Speaker.

English: moderate, can listen, read, write and communicate.

Spanish: basic, can listen, read and communicate.

Publications

2021

Lucas Pereira da Silva and Patrícia Vilain. *LCCSS: A Framework for Code and Execution Reuse between Test Classes*. Journal of Computer Science.

2021

Douglas Hiura Longo, Patrícia Vilain, **Lucas Pereira da Silva**. *Measuring Test Data Uniformity in Acceptance Tests for the FitNesse and Gherkin Notations*. Journal of Computer Science.

2020

Lucas Pereira da Silva and Patrícia Vilain. *LCCSS: A Similarity Metric for Identifying Similar Test Code*. In: 14th Brazilian Symposium on Software Components, Architectures, and Reuse.

2019

Douglas Hiura Longo, Patrícia Vilain, **Lucas Pereira da Silva**. *Impacts of Data Uniformity in the Reuse of Acceptance Test Glue Code*. In: 31st International Conference on Software Engineering and Knowledge Engineering.

2018

Beatriz Wilges, Douglas Hiura Longo, Gustavo Pereira Mateus, **Lucas Pereira da Silva**, Renato Cislighi, Silvia Modesto Nassar, Almir dos Santos Albuquerque. *Quality Evaluation Processes of Courses Presented in a Results Management Module*. In: 11th International Conference of Education, Research and Innovation

2017

Lucas Pereira da Silva and Patrícia Vilain. *Reuse of Fixture Setup between Test Classes*. In: 29th International Conference on Software Engineering and Knowledge Engineering.

2016

Douglas Hiura Longo, Patrícia Vilain, **Lucas Pereira da Silva**, Ronaldo dos Santos Melo. *A Web Framework for Test Automation*. In: 18th International Conference on Information Integration and Web-based Applications and Services.

2016

Lucas Pereira da Silva and Patrícia Vilain. *Execution and Code Reuse between Test Classes*. In: 14th International Conference on Software Engineering Research, Management and Applications.

2007

Lucas Pereira da Silva, Diego Rodrigo Vaz and Lucas Voigt. Cybernetic Crimes at Colégio Agrícola de Camboriú. In: 2nd Interdisciplinary Scientific and Technological Initiation Exhibition.

Awards

2020

3rd best paper award of the 14th Brazilian Symposium on Software Components, Architectures, and Reuse, Brazilian Conference on Software.

2014

Student Merit Award. Best graduate student of Computer Science, Federal University of Santa Catarina, Florianópolis – Brazil.