# Victor da C. Luna Freire  [victorclf.com](victorclf.com)  [victorclunafreire@gmail.com](victorclunafreire@gmail.com)

## SUMMARY

Full Stack Software Engineer / PhD in Computer Science
Main Technologies: Python, JavaScript, TypeScript, React, Redux, Redux Toolkit, HTML, CSS, AngularJS, Node.js, Express.js, Java, Java EE, REST, Oracle, SQL, PL/SQL

## EDUCATION

### PhD, Computer Science

Federal University of Campina Grande (UFCG)                                2017 - 2021

➢ I created (1) a model of software design discussions during code review and (2) an automated classifier of design discussions with data from the Apache Software Foundation.
➢ I published and presented a paper at the SOFSEM 2018 conference in Austria.

Data Mining, Machine Learning, Natural Language Processing, Scikit-learn, Numpy, Pandas, Jupyter, OSS, Grounded Theory

### MSc, Computer Science

Federal University of Campina Grande (UFCG)                                2014 - 2016

➢ I created JClusterChanges: a FOSS implementation of the ClusterChanges static analysis technique for finding and splitting independent changes in pull requests.

Java, Eclipse Java Compiler, Python, CherryPy, JavaScript, CSS, HTML, R, Github, Open Source

### BSc, Computer Science

Federal University of Campina Grande (UFCG)                                2009 - 2013

➢ Best GPA of 1st semester of 2013 graduates. GPA: 8.81 (10-point scale).
➢ High grade in POSCOMP 2013 (exam required by Brazilian universities for graduate admissions). I scored 51 out of 70 points, while the mean score was 30.7 ± 8.2.

Python, Java, C, C++, SQL, PL/SQL, UML, OCL, PostgreSQL, MongoDB, Java ME, Android, Pygame, SDL, OpenGL, Linux, Bash, Git, Mercurial

## EXPERIENCE

### Project Manager

ePol project at Software Practices Laboratory (UFCG)                        2019
R&D project with the Federal Police for developing ePol: a system for managing police inquiries.

➢ Responsible for managing about 20 developers (e.g. task allocation, unblocking problems, onboarding, training and performance review) and for production issues.
➢ Interacted with Stakeholders to discuss requirements, bugs and priorities.
➢ Interacted with the Ops team from the Federal Police to solve deployment issues.
➢ Organized activities for knowledge transference from the university to a private company.

Project Management, Scrum, Agile, Knowledge Transfer, Requirements Engineering, CI/CD, TDD

## Software Engineer

ePol project at Software Practices Laboratory (UFCG)                    2017 - 2018
- ➢ Part of a team with about 20 undergraduate and graduate students.
- ➢ Developed new features, fixed bugs, validated changes with on-site customers, helped colleagues, estimated tasks, reviewed code and discussed design and architecture.
- ➢ Added support for variable merging in the new text editor based on TinyMCE.
- ➢ Advocated use of ES6 / ECMAScript 2015.
- ➢ Broad work experience: from database schema definition to form design in the web client.

JavaScript, AngularJS, Karma, Mocha, Chai, Sinon, Selenium, Java EE, RESTEasy, Infinispan, Hibernate, Liquibase, Oracle, PL/SQL, Docker, Node.js, Bash, Linux, Agile, TDD

## Software Engineer

ePol project at Software Practices Laboratory (UFCG)                    2010 - 2011
- ➢ As part of the first team of developers (about 10 people), my responsibilities included working on architecture and design, writing and testing code, and writing and refining use cases.

GWT, JBoss Seam, JavaEE, JSF, Hibernate, PostgreSQL, Oracle, PL/SQL, UML, Agile, TDD

## Research Assistant

Carleton University (Canada)                    May 2012 - Aug 2012
- ➢ Developed a 3D visualization system for Cell-DEVS Building Information Modeling simulations (simulations of evacuation of a multi-floor building and of the occupation of the Copenhagen Zoo Elephant House)
- ➢ Attended networking and project management workshops and events where I met Canadian government and industry leaders.

Computer Graphics, Research, Project Management, Simulation, MAXScript, 3ds Max