# CARLOS EDUARDO MARCIANO

http://carloseduardov8.github.io

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## EDUCATION

**Federal University of Rio de Janeiro, RJ, Brazil** ................... *Aug 2014 – est. Mar 2019*
B.S. in Information and Computer Engineering                                    Overall GPA: 8.7/10
Cum laude

## PUBLICATION

**Minimum Concurrency via Maximal Cycles**
*Carlos Eduardo Marciano, Abilio Lucena, Felipe França, Luidi Simonetti*
Submitted to the X Latin and American Algorithms, Graphs and Optimization Symposium (LAGOS)

## RESEARCH

**Federal University of Rio de Janeiro** ..................................... Mar 2018 – Present
*Felipe M. G. França (UFRJ), Luidi G. Simonetti (UFRJ), Abilio Lucena (UFRJ)*
Topics: combinatorial optimization, graph theory, distributed systems, complexity theory

**Federal University of Rio de Janeiro** ....................................Mar 2018 – Nov 2018
*José Manoel de Seixas (UFRJ), Werner S. Freund (LPNHE, Sorbonne)*
*Funded by CNPq Fellowship*
Topics: big data, machine learning, particle physics

**Federal University of Rio de Janeiro** ....................................Dec 2017 – Mar 2018
*Vinícius G. Pereira de Sá (UFRJ)*
Topics: algorithms, graph theory

## TEACHING ASSISTANTSHIPS

**Federal University of Rio de Janeiro**
*COS242 – Graph Theory* ................................................. *Aug 2018 – Dec 2018*
*EEL470 – Algorithms and Data Structures* ................................*Mar 2016 – Dec 2017*

## ACHIEVEMENTS

Ranked 1st in the entrance exam for the Information and Computer Engineering undergraduate program at the Federal University of Rio de Janeiro with a total of 4035.60 points (ENEM 2014).

Writer of one of the 250 essays, out of a total of 6 million, that achieved 1000 points in ENEM 2014 (top 0.004%).

115/120 in TOEFL iBT (98th percentile) in October 2018.

## RELEVANT COURSES

**Core Courses**
Algorithms and Data Structures
Graph Theory
Optimization
Computational Intelligence
Theory of Computation

**Other Courses**
Graph Optimization
Probability and Statistics
Calculus & Linear Algebra
Machine Learning (Coursera)
English & French

## OTHER TEACHING POSITIONS

**C Programming Language Course** ............................................. March 2017
*Federal University of Rio de Janeiro*                    *Taught outside of class hours*

This course was comprised of 4 classes, each with a duration of 2 hours, where I presented the basics of the C programming language to around 20 students. The bibliography consisted of Brian Kernighan and Dennis Ritchie's homonymous book, which inspired a number of exercises developed throughout the course. The last class involved notions of computer architecture and code snippets showing how C is modernly used to develop the Linux kernel.

## GRANTS, HONORS AND AWARDS

*B.S. cum laude* .................................................................... *est. Mar 2019*
*CNPq Undergraduate Research Fellowship* .................................. *Mar 2018 – Nov 2018*
*Teaching Assistant Scholarship* ............................................. *Mar 2016 – Dec 2017*