

# CARLOS EDUARDO MARCIANO

<http://carloveduardov8.github.io>

[cemarciano@poli.ufrj.br](mailto:cemarciano@poli.ufrj.br)

## EDUCATION

---

**Federal University of Rio de Janeiro, RJ, Brazil** ..... *Aug 2014 – May 2019*  
B.S. in Information and Computer Engineering ..... Overall GPA: 8.8/10  
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: algorithms, graph theory, combinatorial optimization, distributed systems

**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 I–IV & Linear Algebra  
Machine Learning (Coursera)  
Brasas (english) & Alliance Française

## 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*