CARLOS EDUARDO MARCIANO

My website: https://cemarciano.github.io
cemarciano@poli.ufrj.br

EDUCATION

Federal University of Rio de Janeiro, RJ, Brazil ..... *Aug 2014 – May 2019*
B.S. in Information and Computer Engineering Final GPA: 8.8/10
Cum laude

PUBLICATION

Minimum Concurrency for Assembling Computer Music
MARCIANO, C. E., LUCENA, A., FRANÇA, F. M. G., SIMONETTI, L. G.
Accepted for the 9th International Network Optimization Conference, Avignon, France, June 2019.

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%).

▷ Graduated with the highest GPA among my Computer Engineering peers in Spring 2019.

RELEVANT COURSES

Core Courses
Algorithms and Data Structures
Graph Theory
Database Design
Computational Intelligence
Theory of Computation

Other Courses
Graph Optimization
Probability and Statistics
Markov Chain Monte Carlo Methods
Calculus I–IV & Linear Algebra
Machine Learning (Coursera)

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.

LANGUAGES & SKILLS

Natural

Fluent
- Portuguese
- English

Advanced
- French

Basic
- Spanish

Programming

Fluent
- C and C++

Advanced
- Python, Scikit-Learn
- HTML, CSS, JavaScript

Intermediate
- MongoDB, Keras
- Matlab/Octave, Bash

Basic
- Java, Fortran, x86 Assembly

TEST SCORES

TOEFL (Oct 2018) *115/120*

GRANTS, HONORS AND AWARDS

CNPq Undergraduate Research Scholarship ..... *Mar 2018 – Nov 2018*
Teaching Assistant Scholarship ..... *Mar 2016 – Dec 2017*