CARLOS EDUARDO MARCIANO

Web: https://cemarciano.github.io

cemarciano@cs.toronto.edu

EDUCATION

University of Toronto (Ontario, Canada) ....*Fall 2020 — ongoing*
Ph.D. in Computer Science   Advisor: Peter Marbach

Federal University of Rio de Janeiro (RJ, Brazil) ....*Aug 2014 — May 2019*
Bachelor's in Computer and Information Engineering, *cum laude*   Final GPA: 8.8/10

PUBLICATION

Optimizing Concurrency under Scheduling by Edge Reversal
CE Marciano, GM Arantes, A Lucena, LG Simonetti, L Faria, FMG França
Networks 77(4), May 2021, pp. 520 – 537.

Minimum Concurrency for Assembling Computer Music
CE Marciano, A Lucena, FMG França, LG Simonetti
9th International Network Optimization Conference (INOC), Avignon, France, 2019, pp. 83 – 88.
Award: Best Student Paper INOC 2019

RESEARCH

University of Toronto .... Sep 2020 — Current
Ph.D. Student — Toronto, Canada
Advisor: *Peter Marbach (UofT)*
Topics: social network analysis

Inria Sophia Antipolis – Méditerranée .... Sep 2019 — Dec 2019
Intern — Biot, France
Supervisor: *Giovanni Neglia (Inria)*
Topics: machine learning, caching, prefetching

Federal University of Rio de Janeiro .... Dec 2017 — Mar 2019
Undergraduate Researcher — Rio de Janeiro, Brazil
Supervisors: *Felipe M. G. França (UFRJ), Luidi G. Simonetti (UFRJ)*
Topics: network optimization, graph theory, computer music

TEACHING ASSISTANTSHIPS

University of Toronto
CSC309 — Programming on the Web ....*1 term (Fall 2021)*

Federal University of Rio de Janeiro
COS242 — Graph Theory ....*1 semester (Aug 2018 — Dec 2018)*
EEL470 — Algorithms and Data Structures ....*4 semesters (Mar 2016 — Dec 2017)*

ACHIEVEMENTS

▷ **Best Student Paper Award** at the 9th International Network Optimization Conference, 2019.

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

▷ Writer of one of the 250 essays, out of a total of 6 million, that **achieved 1000 points** in ENEM 2014, which is Brazil's nationwide entrance exam for universities (top 0.004%).

▷ **Ranked 1st in the entrance exam** for Computer Engineering at the Fed. Univ. of Rio de Janeiro.

ADDITIONAL COURSES

9th Winter School on Network Optimization ....Jan 2020
University of Lisbon *Duration: 1 week*
Estoril, Portugal

OTHER TEACHING POSITIONS

C Programming Language Course ....Mar 2017
Federal University of Rio de Janeiro *4 classes of 2 hours each*
Bibliography: RITCHIE, D. The C Programming Language, 2nd ed. *Attendance: 20 students*

LANGUAGES & SKILLS

Natural

Fluent
  └ Portuguese
  └ English
  └ French
Learning
  └ German

Programming

Fluent
  └ C and C++
  └ HTML, CSS, JavaScript, React
  └ Python, Keras
Intermediate
  └ TensorFlow, MongoDB

TEST SCORES

GRE General Test (Sep 2019) .... *(Wr: 4.5, Verbal: 162, Quant: 167) — Overall: 329/340*
IELTS Academic (Aug 2019) .... *(Re: 9, Li: 9, Wr: 8, Sp: 9) — Overall: 9/9*
TOEFL iBT (Oct 2018) .... *(Re: 30, Li: 30, Wr: 29, Sp: 26) — Overall: 115/120*

GRANTS, SCHOLARSHIPS AND AWARDS

Inria Internship Grant .... *€ 3,600 total (≈ 4,000 USD) (Sep 2019 — Dec 2019)*
Best Student Paper Award INOC 2019 .... *€ 500 total (≈ 550 USD) (Jun 2019)*
CNPq Undergrad. Research Scholarship ..... *R$ 4,800 total (≈ 1,000 USD) (Mar 2018 — Feb 2019)*
Teaching Assistant Scholarship .... *R$ 8,800 total (≈ 2,000 USD) (Mar 2016 — Dec 2017)*