

CARLOS MARCIANO

Web: <https://cemarciano.github.io>

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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* CGPA: 8.8/10 (highest in class)

PUBLICATIONS

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, data science, 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

ALL GRADUATE COURSES

University of Toronto

CSC2206 — System Modelling and Analysis *A+*
CSC2556 — Algorithms for Collective Decision Making *A+*
CSC2552 — Topics in Computational Social Science: AI, Data, and Society *A+*
CSC2501 — Computational Linguistics *A+*
JDM3619 — Digital Media Distribution *A*

ACHIEVEMENTS

- ▷ **Best Student Paper Award** at the 9th Intl. Network Optimization Conference, France 2019.
- ▷ Graduated with the **highest GPA** among my Computer Engineering peers, Brazil 2019.
- ▷ Achieved an **all Brazil top 250** rank in ENEM 2014, the unified nationwide entrance exam for Brazilian universities (perfect score, top 0.004%). Due to this, I consequently ranked 1st in the undergraduate application for Computer Engineering at the Federal University of Rio de Janeiro.

SUMMER/WINTER SCHOOLS

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

TEACHING ASSISTANTSHIPS

University of Toronto
CSC309 — Programming on the Web *2 terms (Fall 2021, Winter 2022)*

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)*

LANGUAGES & SKILLS

Natural

Fluent

- ↳ Portuguese
- ↳ English
- ↳ French

Learning

- ↳ German

Programming

Fluent

- ↳ Python, Matplotlib, MongoDB
- ↳ HTML, CSS, JavaScript, React
- ↳ C, C++, SQL

Intermediate

- ↳ TensorFlow, Keras

TEST SCORES

GRE General Test (Sep 2019) *(Verbal: 162, Quant: 167, Wr: 4.5) — 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*