

# CARLOS EDUARDO MARCIANO

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## EDUCATION

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**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

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**Optimizing Concurrency under Scheduling by Edge Reversal** (will appear)  
*MARCIANO, C. E., ARANTES JR, G. M., LUCENA, A., et al.*  
Special Issue Article in: Networks, Wiley, 2020.

**Minimum Concurrency for Assembling Computer Music**  
*MARCIANO, C. E., LUCENA, A., FRANÇA, F. M. G., SIMONETTI, L. G.*  
9th International Network Optimization Conference (INOC), Avignon, France, June 2019.  
Award: Best Student Paper INOC 2019

## RESEARCH

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**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

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**Federal University of Rio de Janeiro**

*COS242 — Graph Theory* ..... 1 term (*Aug 2018 — Dec 2018*)

*EEL470 — Algorithms and Data Structures* ..... 4 terms (*Mar 2016 — Dec 2017*)

## ACHIEVEMENTS

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- ▷ **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

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

## OTHER TEACHING POSITIONS

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**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

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### Natural

#### Fluent

- ↳ Portuguese
- ↳ English
- ↳ French

#### Learning

- ↳ German

### Programming

#### Fluent

- ↳ C and C++
- ↳ HTML, CSS, JavaScript, React
- ↳ Python, Keras

#### Intermediate

- ↳ TensorFlow, MongoDB

## TEST SCORES

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*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

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*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*)