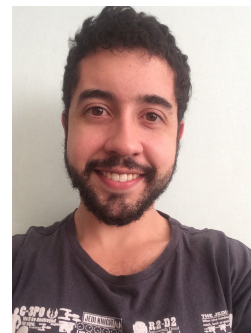


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EDUCATION

Ph.D. in Informatics

Scholarship funding from CAPES. University of Brasília (Brazil). Advisor: Mauricio Ayala-Rincón. 2020–Current

M.Sc. in Mathematics

Scholarship funding from CNPq. University of Brasília (Brazil). Advisor: Mauricio Ayala-Rincón. 2017–2019

– Thesis: “Nominal Unification with Commutative and Associative-Commutative Function Symbols”

B.S. in Computer Science, In-major GPA: 4.4/5.0

University of Brasília (Brazil). Advisor: Marcelo Ladeira. 2014–2017

– Thesis: “A Predictive Analysis of Academic Performance of UnB’s Undergraduate Students Using Data Mining”

B.S. in Mathematics

University of Brasília (Brazil). 2018–2020

PUBLICATIONS

- [1] M. Ayala-Rincón and **Gabriel Ferreira Silva**, “Why We Need Structured Proofs in Mathematics”, in *Workshop on Natural Formal Mathematics (NatFoM), part of the 13th Conference on Intelligent Computer Mathematics (CICM)*, 2020.
- [2] M. Ayala-Rincón, M. Fernández, and **Gabriel Ferreira Silva**, “Formalising Nominal AC Unification”, in *33rd International Workshop on Unification (UNIF)*, 2019.
- [3] M. Ayala-Rincón, M. Fernández, **Gabriel Ferreira Silva**, and D. Nantes-Sobrinho, “A Certified Functional Nominal C-Unification Algorithm”, in *Logic-Based Program Synthesis and Transformation - 29th International Symposium, LOPSTR 2019, Porto, Portugal, October 8-10, 2019, Revised Selected Papers*, ser. Lecture Notes in Computer Science, Springer, 2019.
- [4] **Gabriel Ferreira Silva** and M. Ladeira, “A Machine Learning Predictive System to Identify Students in Risk of Dropping Out of College”, in *Symposium on Knowledge Discovery, Mining and Learning (KDMiLe)*, 2017.

TEACHING AND RESEARCH EXPERIENCE

Undergraduate Research Assistant

CAPES funded project “Young Talents for Science”. Advisor: Antônio Martins 2013-2014
– Title: A Comparative Study of the Different Generations of Technology Used on Mobile Telephony

Undergraduate Research Assistant

CNPq funded project “Scientific Initiation Program”. Advisor: Marcelo Ladeira 2015-2016
– Title: “Earthquake grouping with clustering techniques”

Undergraduate Research Assistant

CNPq funded project “Scientific Initiation Program”. Advisor: Marcelo Ladeira 2016-2017
– Title: “A Predictive Analysis of Academic Performance of UnB’s Undergraduate Students Using Data Mining”

Teaching Assistant

TA of class: “Basic Computing” First Semester of 2015

Teaching Assistant

TA of class: “Algorithms and Computer Programming” Second Semester of 2015

Teaching Assistant

TA of class: “Computational Logic” Second Semester of 2020

Teaching Assistant

TA of class: “Computational Logic” First Semester of 2021