FREDSON SILVA DE SOUZA AGUIAR

Brazilian | Single | 24 years
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Objective

I seek the deepening of technical and personal skills through professional experience and the study of topics related to mathematics and it's applications.

Academic Training

2023 – 2024: Escola de Matemática Aplicada (FGV/EMAp)
Master's Degree in Mathematical Modeling
University Average Grade (GPA): N/A

2018 – 2022: Escola de Matemática Aplicada (FGV/EMAp)
Bachelor of Science in Applied Mathematics
University Average Grade (GPA): 3.64

2014 – 2018: Instituto Federal do Rio Grande do Norte (IFRN)
Information technology technician, Integrated to High School
High School Average Grade (GPA) acumulado: 3.71

Professional Experience

jun/2021 – nov/2021: Internship – IBM Brazil
Area: Natural *Language Processing; Repair and Publication of Language Data*

jan/2021 – feb/2021: Summer Job - Bank BOCOM BBM
Area: *Data Science, Credit Analysis and Automation for Financial Data*

aug/2019 – jul/2021: Scientific Initiation – PICME/CNPQ
Area: Natural *Language Processing; Semantic Representations and Ontologies*

Events Participation

dec/2024: First SAC3
Area: Modeling and Numerics in Epidemiology

sep/2024: XLII CNMAC
Area: *Applied and Computational Mathematics*

mar/2024: XIV BrazOpt
Area: Theoretical and Computational *Continuous Optimization*

fev/2024: EAGxLatinAmerica 2024
Area: *Effective altruism; AI Safety and AI Governance*

fev/2024: Condor Camp 2024
Area: *Career Acceleration; AI Safety and AI Governance*

jan/2024: Tropical Probabilistic AI School 2024
Area: *Probabilistic Machine Learning and Artificial Intelligence*

sep/2019: IAASA Systems Analysis and the Americas Conference
Area: Systems Analysis and the Americas Conference

aug/2019: IMPA 32th Brazilian Mathematics Colloquium
Area: 32th Brazilian Mathematics Colloquium

Relevant Knowledge

Data Science; Neural Networks and Deep Learning; Reinfocement Learning; Optimal Control and Dinamic Programming; Mathematical Modelling; Applied Mathematics.

Extra-curricular Activities

aug/2024 – current: Teaching Assistant – FGV/SEPEMAp
Area: FGV/EMAp PhD Introduction to Functional Analisys

mar/2024 – jun/2024: Teaching Assistant – FGV/SEPEMAp
Area: FGV/EMAp PhD Qualitative Theory of ODEs

aug/2023 – dec/2023: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Masters Multivariate Analysis*

aug/2023 – dec/2023: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Partial Differential Equations*

aug/2023 – dec/2023: Teaching Assistant – FGV/EMAp
Area: *FGV/EPGE Undergrads Computing for Economy*

mar/2023 – jun/2023: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Complex Calculus*

aug/2022 – dec/2022: Teaching Assistant – FGV/EPGE
Area: *FGV/EPGE Undergrads Computing for Economy*

aug/2022 – dec/2022: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Real Analysis*

aug/2020 – dec/2020: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Discrete Mathematics*

feb/2020 – jun/2020: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Vectorial Calculus*

aug/2019 – dec/2019: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Multivariate Calculus*

feb/2019 – jun/2019: Teaching Assistant – FGV/EMAp
Area: *FGV/EMAp Undergrads Univariate Calculus*

Volunteer Activities

aug/2023 – current: Coordinator – FGV/SEPEMAp
Area: FGV/EMAp Graduate Student Seminars

feb/2020 – nov/2020: Volunteer Teacher - Amplia FGV
Area: *FGV/Amplia Social Project Volunteer Teacher*