Ramon Gonçalves Gonze

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EDUCATION

M.Sc. Computer Science *Nov 2020 - Dec 2022*
Universidade Federal de Minas Gerais - UFMG

B.Sc. Information Systems *Jan 2016 - Nov 2020*
Universidade Federal de Minas Gerais - UFMG Avg. grade: 81/100

Associate's Degree, Information Technology *Jan 2012 - Dec 2015*
FUNEC - Fundação de Ensino de Contagem

EXPERIENCE

Visiting Scholar
Inria Saclay - École Polytechnique de Paris *Fev 2022 - Mar 2022*

· Worked in cooperation with Catuscia Palamidessi and Mário Alvim on privacy models, using the framework of Quantitative Information Flow (QIF) to quantify the vulnerability of systems that use differential privacy and shuffling as a privacy protection method.

Master's student
Universidade Federal de Minas Gerais - UFMG *Nov 2020 - Dec 2022*

· Studying Information Theory focusing on *QIF* under the supervision of professor Mário Sérgio Alvim. Currently working in models that quantify information leakage in data publications.
· Member of the team that executed the PRICE (Privacidade nos Censos Educacionais) project, a cooperation between the Department of Computer Science of UFMG and Inep (Instituto Nacional de Estudos e Pesquisas Educacionais Anísio Teixeira). Studied methods to control data disclosure, focused specially in those based in differential privacy. Helped in creating data disclosure alternatives for Inep's educational census publication.

Undergraduate Researcher
Universidade Federal de Minas Gerais - UFMG *Mar 2018 - Nov 2020*

· Worked with privacy and data anonymization techniques (e.g. differential privacy) used to anonymize public datasets, with the goal of balancing the utility and privacy levels of information.
· Developed a graphical didatic tool to visualize in a geometric way the behavior of channel leakages when information changes.

Teaching Assistant
Universidade Federal de Minas Gerais - UFMG *Mar 2017 - Dec 2019*

· Helped students to master fundamental concepts of programming. Prepared material for and taught classes in select topics such as digital circuits, basic structures of programming languages and simple algorithms.

TECHNICAL STRENGTHS

Programming Languages C/C++, Python (Proficient)

LANGUAGE PROFICIENCY

Portuguese Native proficiency **English** Professional working proficiency