

Artur Gaspar da Silva

Education

- 2020-2025 **Bachelor in Computer Science**, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, GPA 97/100
- 2017-2019 **Integrated Technical Course in Mechatronics**, Centro Federal de Educação Tecnológica de Minas Gerais (CEFET-MG), Belo Horizonte, GPA 90/100

Experience

- Research **Theoretical Model of Bias in Social Networks**, *Development and (Python) implementation of a theoretical model for group polarization and biased exchange of information in social networks.*
- Research **Quantitative Information Flow**, *Development and (C++) implementation of a theoretical framework to model information leakage when secrets are dynamic and are changed according to some strategy of the defender.*

Awards and Honors

- Maratona Mineira **Golden Medal**, 3rd place at the 9th collegiate programming competition of Minas Gerais (2022).
- OBI **Bronze Medal**, 23rd place at the 23th Brazilian Olympiad in Informatics, second of Minas Gerais (2020).
- Fórmula Drone **Second Place**, Second place at the 3rd "Fórmula Drone SAE Brasil", and first in the area measurement precision category (2019).
- OBFEP **Bronze Medal**, 66th place at Brazil's National Olympiad of Physics for Public Schools - OBFEP (2019).
- OBMEP **Silver Medal**, 148th place at the 14th Brazil's National Olympiad of Mathematics for Public Schools - OBMEP (2018).

Skills

- Practice **Programming Languages**, C/C++, Python, Java, Javascript.
- University Courses **Mathematical Modeling**, Linear Algebra, Real Analysis, Graph Theory, Introduction to Quantum Computing, Statistical Foundations of Data Science, Formal Methods.

Languages

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| Portuguese | Proficient | Native speaker |
| English | Proficient | Fluent |

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