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Personal information

Surname / Name	**de Andrade Iacono, Davi**
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Nationality	Brazilian
Gender	Male

Degrees

From 11/2024 to present	2nd year PhD student in Computer Science at Gran Sasso Science Institute, Cohort 40, advised by Professor Dr. Gianlorenzo D'Angelo.
From 03/2023 to 09/2024	Master Science Degree in Computer Science at Universidade Federal do Ceará, advised by Professor Júlio César Silva Araújo and co-advised by professor Ana Shirley Ferreira da Silva. Subject: Subfall Coloring of Graphs.
From 03/2019 to 12/2022	Bachelors' Degree in Mathematics at Universidade Federal do Ceará.

Research interests

Classic and parameterized computational complexity; Graph Coloring; Temporal Graphs.

Publications

Journal papers

Davi de Andrade, Júlio Araújo, Laure Morelle, Ignasi Sau, and Ana Silva.
On the parameterized complexity of computing good edge-labelings.
Journal of Computer and System Sciences, 157:103752, 2026. ISSN 0022-0000.

Conference proceedings

[ALGOWIN 2025] Davi de Andrade, Júlio Araújo, Allen Ibiapina, Andrea Marino, Jason Schoeters, and Ana Silva.
Temporal cycle detection and acyclic temporalizations.
In: Othon Michail and Giuseppe Prencipe, editors, Algorithmics of Wireless Networks, pages 104–118, Cham, 2026. Springer Nature Switzerland. ISBN 978-3-032-09120-8.

[ETC 2022] Davi de Andrade and Ana Silva.
(Sub)Fall Coloring and B-Coloring Parameterized by Treewidth.
In: Anais do VII Encontro de Teoria da Computação. Porto Alegre, RS, Brasil: SBC, 2022. p. 69–72.

[ETC 2021] Davi de Andrade and Ana Silva.
On the Complexity of Subfall Coloring of Graphs.
Anais do VI Encontro de Teoria da Computação. Brasil: SBC, 2021. p. 70–73.

Research activities

From 15/09/2025 to 19/09/2025 Presenting at ALGOWIN 2025

Funded by GSSI, I attended to the ALGO conference, which is an annual meeting combining the premier algorithmic conference European Symposium on Algorithms (ESA) and a number of other specialized conferences and workshops, at Warsaw, Poland, to present the work *Temporal cycle detection and acyclic temporalizations* at the International Symposium on Algorithmics of Wireless Networks (ALGOWIN).

From 18/08/2025 to 22/08/2025

Attending to ADOFCS'25

Funded by GSSI, I attended to the 25th Max Planck Advanced Course on the Foundations of Computer Science, at Saarbrücken, Germany, following the three courses offered by the school, that were taught by professors Maria Chudnovsky, Michał Pilipczuk and Thatchaphol Saranurak.

From 01/2020 to 09/2024

Member of ParGO Group

During my last three years as an undergraduate, I had a scholarship from the national program called "Programa Institucional de Bolsas de Iniciação Científica - PIBIC", under the supervision of Professor Ana Shirley Ferreira da Silva. I have been part of the ParGO group ever since, taking part in the seminars held every two weeks by the group's participants.

Projects

Participation within the CNPq/MCTI call 10/2023, project number 404479/2023-5. Title "**TAPIOCA - Teoria Aplicada a Problemas Integrando Otimização, Combinatória e Algoritmos**". 2023 - present. Funded R$ 250,000.00, equivalent to approximately €44,601.52.

Participation within the Funcap call 01/2022, project MLC-0191-00056.01.00/22. Title "**Temporal graphs, Optimization and Parameterization - TOP**. 2022 - 2024. Funded R$ 86,454.00 to cover travel expenses and hardware purchases. Equivalent to approximately €16,539.60 at the time of approval.

Workshop Organization

II Fortaleza Workshop em Combinatória (ForWorC 2023)

I was part of the support team for the ForWorC 2023 workshop, which took place between November 6 and 10, 2023. The speakers were professors from Brazilian and foreign universities and two mini-courses were included in the workshop. Full information of the workshop can be found in its official website (in portuguese) and a detailed program of the workshop in english can be found here.