

Rafael Silva de Amorim

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RESUMO [SUMMARY]

Technician in **Systems Analysis and Development** (ADS) at IFAL - Campus Maceió; **Multi-medalist** in science olympiads (OBFEP, OBMEP, ONC, OBA, Mandacaru); Member of the **Applied Computational Physics Group (GFCA-IFAL)**; Produced two papers on **electronic transport properties** under the supervision of Prof. Dr. Frederico S. Passos. Participated in the pilot class of the extension project **Novo Ensino Suplementar [New Supplementary Teaching]** (UFAL), winner of second place in the 2025 USP Social Impact Award; Participated in the 2025 edition of the international summer camp **Sigma Camp Next**.

FORMAÇÃO ACADÊMICA [ACADEMIC BACKGROUND]

2022 - 2025 Integrated High School in Systems Development, IFAL - Campus Maceió
2019 - 2021 Middle School II, Escola SESI-SENAI Carlos Guido Ferrário Lobo

FORMAÇÃO COMPLEMENTAR [ADDITIONAL TRAINING]

- V ICTP-SAIFR Summer School for Young Physicists (IFT-UNESP, 44 hours, 2024)
- Introduction to Quantum Mechanics (IFT-UNESP, 8 hours, 2024)
- Relativistic Astrophysics: An Overview of Neutron Stars (IFT-UNESP, 3 hours, 2024)
- Introduction to Particle Physics: From the Origin of the Universe to Matter-Antimatter Asymmetry (IFT-UNESP, 6 hours, 2024)
- LaTeX (FGV, 15 hours, 2024)
- Dialogues of Our Time: Meetings in Contemporary Philosophy (Phillos Academy, 12 hours)
- Basic Programming – Novo Ensino Suplementar [New Supplementary Teaching] (UFAL, 400 hours, 2023)

PESQUISA [RESEARCH]

- Multifractality in low-dimensional disordered quantum systems (PIBIC 2024-2025)
- Electronic transport in disordered media (PIBIC 2023-2024)

EVENTOS E OLIMPIADAS [EVENTS AND OLYMPIADS]

- Summer Course Talent Selection 2024 (FGV-CDMC, 2024)
- Sigma Camp Next 2024 (2024)
- Purple Comet Math Olympiad, Elon Lages Team (2023)

PRÊMIOS E TÍTULOS [AWARDS AND DISTINCTIONS]

- OBA: 3 gold, 1 silver, 1 bronze (2020–2024)
- OBMEP: National Honorable Mention, State Bronze
- OBFEP: State Gold, National Bronze
- ONC: Silver, Bronze

• Mandacaru: Honorable Mention

• OBGp: Honorable Mention

IDIOMAS [LANGUAGES]

Portuguese Native

English C1 (British Council EnglishScore, 2023)

Esperanto A1

PRODUÇÕES [PUBLICATIONS]

- Amorim, R. S.; Passos, F. S. *Electronic Transport in Disordered Media* (UFAL, 2024);
- Amorim, R. S.; Aguiar, C. E. S.; Freitas, L. I. C.; Santos, L. R. S. *The Transparency of Coruripe* (Talent Selection Meeting FGV-CDMC, 2023);
- Finalist logo proposal for IFAL Digital Repository - REDIFAL (IFAL, 2022).

MÍDIA [MEDIA]

- *IFAL student is selected for summer camp in the USA and launches crowdfunding to achieve dream* (TNH1, 2024)
- *Student from AL launches crowdfunding to finance study trip to the USA* (GazetaWeb, 2024)
- *Sindpol publicizes online crowdfunding for IFAL student selected for Sigma Camp Next to help with costs in the USA* (Sindpol, 2024)
- *Students and professors from the NES Project participate in Sigma Camp in the USA* (UFAL, 2024)
- *IFAL student is selected for summer camp in the USA and launches crowdfunding to achieve dream* (Fique Alerta, TV Pajuçara, 2024)
- *IFAL student is selected for summer camp in the USA and launches crowdfunding to achieve dream* (Balanço Geral, TV Pajuçara, 2024)
- *3rd Meeting of Geniuses: Event gathers outstanding students in mathematics and computing* (TV Pajuçara, 2023)
- *IFAL has five medalists in the Brazilian Physics Olympiad of Public Schools* (IFAL, 2022)