

Gabriel Lima Jacinto

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City: Florianópolis

State: Santa Catarina

Country: Brazil

Objective:

Undergraduate student in Computer Science, with five years of experience in scientific production. I work primarily with Nanotechnology (FINFET), Algorithms, and Artificial Intelligence (Regression and Computer Vision). I aspire to continue my studies in a postgraduate program.

Education

2005 **Elementary and Middle School**
2015 Colégio La Salle Águas Claras

Class representative of 2nd, 5th, 6th and 9th grade. Vice representative of 4th and 8th grade. 'Model Student' of 8th and 9th grade. Class valedictorian of 9th grade (2015).

2016 **High School**
2018 Colégio Seriös

Merit based scholarship of 60% of the tuition.. Vice representative of 11th grade, representative and elected valedictorian of 12th grade. Top 1% Student (30 students).

2019 **Computer Science**
Today Universidade Federal de Santa Catarina

1st place on the selective process "SISU", scored 920/1000 on the National High School Exam (ENEM) essay.

Research Experience

10/2020 **WINNING RESEARCH ASSISTANT**
Today Universidade Federal de Santa Catarina

Invited by Professor Cristina Meinhardt to participate in the scientific initiation program as a fellow in the embedded systems laboratory. I research the electrical prediction of circuits using machine learning algorithms. Won three prizes and awards. Latest work published on SBCCI.

07/2023 **NEURO MATCH ACADEMY**
07/2023 Neuro Match

Selected to participate in the Summer School 'Neuromatch Academy.' Responsible for studying computational neuroscience and researching for three weeks on Bayesian models for decision-making in the brain.

07/2018 **CONTEMPORARY PHYSICS SCHOOL**
07/2018 Instituto de física de São Carlos (USP-São Carlos)

Selected nationally to enroll in the Physics Summer School by the University of São Paulo – São Carlos campus. Responsible for studying, researching and defending during a week the experiment of the spectrum, diffraction and absorption of X rays in a Molybdenum crystal.

02/2022 **COMPUTER VISION RESEARCH INTERN**
02/2023 PIX FORCE

Improved computer vision algorithms of the state of the art (YOLOV5) for monitoring soccer matches statistics. Also worked on three different Research and Development projects for big oil and energy companies

08/2017 **WINNING JUNIOR RESEARCHER**
09/2018 Centro universitário de Brasília (UniCeub)

Developed a board game about urban mobility and tested with a group of six students to analyze how they interacted with the transportation system. The research was awarded with "The best Junior Project" prize in two congresses (UNB and UniCEUB). I received a scholarship of R\$1000 (US\$400).

Other Relevant Experiences

10/2020 **NATIONAL FINALIST**
Today International Collegiate Programming Contest (ICPC)

Finalist on the programming marathon ICPC 2022. Solved many medium-hard programming problems with other two team members competing with other students from Brazil.

10/2016 **NATIONAL FINALIST**
04/2017 International Young Physicists' Tournament (IYPT)

Finalist on the physics tournament IYPT '17. Investigated the 17 problems of the competition, realized experiments to verify hypothesis, wrote and defended two thesis and created a device that illustrated the momentum transference in a oscillatory system of metronomes.

Other Activities

03/2017 **SECRETARY OF TECHNOLOGY AND SYSTEMS**
11/2017 Permanent Commission Model United Nations
Colégio Seriös

Responsible for the marketing, ID plaques, visual identity of the event, divulgation, logistics organization and provide technical assistance to the participants.

06/2020 **MENTOR ON THE PROJECT 'MENTORIZA'**
08/2020 Eductus

I helped a student in a situation of social vulnerability aggravated by the coronavirus pandemic. I mentored writing, history and philosophy for ENEM

03/2016 **MODELLING AND PYTHON INSTRUCTOR**
12/2016 3D Printer Club

Helped assemble and maintain the school's 3D printer, taught programming logic and python language to students and modeled various prints

07/2017 **GAKKO CAMPS 2017**
07/2017 GAKKO

Selecionado entre um grupo de estudantes a nível internacional para participar de um curso de verão interdisciplinar de liderança e autoconhecimento de duas semanas na Borgonha, França. 50% de bolsa.

09/2016 **MODEL UNITED NATIONS (MUN)**
06/2018 Universidade de Brasília (UNB), American School of Brasília, Georgetown University

Selected to take part as a delegate in Model United Nations events. I was responsible for orally defending my country's position in committees of diverse subjects. Wrote various resolution documents. Events: BSBMUN (2016), NAIMUN (2017), SINUS (UNB - 2018)

06/2018 **STUDENT GOVERNMENT**
12/2018 Colégio Seriös

Responsible for debating the student's interest with the principal, organize meetings with teachers and planning the class schedule. Built a mural for feedback and communication.

02/2018 **FEDERAL DISTRICT AMBASSADOR**
12/2018 Inspira Sonho

Voluntary work aiming to spread information about extracurricular opportunities to high school students. Responsible for giving lectures to public schools monthly.

11/2019 **VIII CICLO DE CURSOS ESPECIALES**
11/2019 Fundación Universitaria Konrad Lorenz

Won a scholarship to enroll in introductory courses on Machine Learning and Natural Language Processing with Python programming language in Bogota, Colombia.

08/2022 **CLOWN DOCTOR**
Today NUHAS

Voluntary clown doctor in the project NUHAS of Universidade Federal de Santa Catarina. Every month visited the hospitals and developed activities with the patients dressed as a clown.

06/2018 **DIGITAL MARKETING**
12/2018 Inspira Sonho

Helped on the design of various posters for the divulgation of opportunities on social media.

02/2017 **COORDINATOR OF THE SOCIAL PROJECT 'SERIÖS SOCIAL'**
11/2018 Colégio Seriös

Planned meeting and managed a team of 15 students, raised R\$2000 (US\$ 700) every trimester to develop micro projects of assistance to local communities, wrote the project and organized the school's voluntary activities

03/2018 **CLOWN DOCTOR 'Jacinto Alegria'**
02/2019 Laços da Alegria

Voluntary clown doctor in the project Laços da Alegria of Brasília. Every Saturday visited the armed forces hospital and developed activities with the patients dressed as a clown.

06/2018 **AWARD WINNER SHORT-MOVIE DIRECTOR AT "SERIÖS' OSCAR AWARDS"**
12/2018 Colégio Seriös

Directed, wrote and edited a short-movie of 20 minutes for the Colégio Seriös short-movies festival. The project "Three Friends" won the prizes for best movie, best script and best soundtrack.

10/2016 **BLOOD DONATION**
Today Hemocentro de Brasília, HEMOSC-Florianópolis

Donate blood every three months

02/2018 **SAXOPHONE PLAYER**
Today Music Club

Played on the school's band.

08/2020 **ACADEMY OF TALENTS "CEO DO FUTURO"**
12/2020 Instituto CEO do Futuro

Selected nationally to participate in the CEOdoFuturo leadership training program. In this program, I developed a project to financially assist the elderly in the community of Heliópolis-SP during the pandemic. I was in charge of the technology team, being responsible for organizing minutes, documents and the project website. I was nominated for an outstanding student award.

Skills

ADOBE AFTER EFFECTS Basic	ADOBE PHOTOSHOP Basic
ADOBE PREMIERE Intermediary	PYTHON Advanced
ADOBE ILLUSTRATOR Intermediary	C++ and C# (ARDUINO) Intermediary

Languages

ADVANCED ENGLISH Talking, reading and writing - 107 points on TOEFL/2018, C1 level on CAE
BASIC SPANISH Reading and writing – student 2016 - 2018
BASIC FRENCH Reading and writing – student 2019 - today

Publications and Awards

JACINTO, GABRIEL LIMA; GRELLERT, MATEUS ; MEINHARDT, CRISTINA. Fast and Low Error Prediction of Logic Gate Cell Characterization. In: 2023 IEEE 30th International Conference on Electronics, Circuits and Systems (ICECS), 2023, Istanbul, Turquia..

JACINTO, GABRIEL LIMA; IMAMURA, LUCAS YUKI ; GRELLERT, MATEUS ; MEINHARDT, CRISTINA . Exploring Machine Learning for Electrical Behavior Prediction: The CMOS Inverter Case Study. In: 2022 35th SBC/SBMicro/IEEE/ACM Symposium on Integrated Circuits and Systems Design (SBCCI), 2022, Porto Alegre.

CARVALHO, J. A. O. ; BARROS, A. P. B. G. ; JACINTO, G. L. . MOBSBJR: UM JOGO INFANTO-JUVENIL PARA EXPLICAR A MOBILIDADE URBANA EM BRASÍLIA. 2017.

COMPLETE LIST OF AWARDS AND PUBLICATIONS: <http://lattes.cnpq.br/7398702131851254>