

George Corrêa de Araújo

// TECHNICAL SKILLS

Programming
Python, C++, C, C#, Java

Frameworks and technologies
**PyTorch, PyTorch Lightning,
Qt, Android, Windows
Platforms**

// PUBLICATIONS

When Layers Play the Lottery, all
Tickets Win at Initialization
*Proceedings of the IEEE/CVF
International Conference on
Computer Vision (ICCV) Workshops,
2023*

Single Image Super-Resolution Based
on Capsule Neural Networks
*Brazilian Conference on Intelligent
Systems, 2023*

// COURSES AND CERTIFICATIONS

Improvements on efficient power
management in mobile phones
Fucapi/UFPE

Basic formation for data scientists
Fucapi/UFMG

Certified Scrum Developer
Scrum Alliance

Audio and video encoding for the
Brazilian Digital TV standard – Theory
and Practice
Inatel

FCE - Cambridge English: First
*University of Cambridge - ESOL
Examinations*

// LANGUAGES

PT-BR Portuguese
native

EN-US English
fluent

ES Spanish
basic

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// EDUCATION

PhD in Computer Science Aug, 2020 to Dec, 2025 (expected)
Universidade Estadual de Campinas
Research: Analyzing the Understanding of Concepts by Visual Question Answering Models.

Master in Computer Science Completed: Apr, 2019
Universidade Estadual de Campinas
Research: Single Image Super-Resolution Based on Capsule Neural Networks.

Bachelor in Computer Engineering Completed: Feb, 2012
Universidade Federal do Amazonas
Research: Development of an Eclipse Plugin for the ESBMC Tool with the Zest Toolkit.

/* research projects

Multi-Scale Porosity Analysis in Pre-Salt Reservoirs Aug, 2018 to Jan, 2020
Financed by: Centro de Estudos de Petróleo (CEPETRO) / Shell Group
Objective: Use deep learning techniques to help identify oil wells in the pre-salt region.

Energy Consumption Management in Open Source Environments Dec, 2006 to Nov, 2008
Financed by: Universidade Federal do Amazonas / Instituto Nokia de Tecnologia
Objective: Develop a tool that, based on the analysis of a C code with a known execution deadline, inserts calls to change the processor's frequency in order to reduce its energy consumption while still respecting the time constraints.
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/* academic extension

Extension Project (Hiwi Job) Oct, 2010 to Mar, 2011
Institut für Automatisierungs- und Softwaretechnik – Universität Stuttgart
Project: Improve Academic use of Microsoft Office through VBA Macros.

Training of Young Engineers for Digital TV Software Development Apr, 2008 to Sep, 2008
Universidade Federal do Amazonas | CETELI - Centro de P&D em Tecnologia Eletrônica e da Informação
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// PROFESSIONAL EXPERIENCE

Junior Software Engineer Jul, 2015 to Jan, 2016
Instituto de Pesquisas Eldorado
Activities: Developed Android applications with the Java and C++ programming languages, and a web application with the AngularJS and Bootstrap technologies.

Software Developer I Oct, 2012 to May, 2015
INDT - Instituto Nokia de Tecnologia
Activities: Worked on the development of the Ginga-NCL Digital TV presentation environment for the Nokia platforms, also having developed some apps for the Windows Phone and Android platforms.

Trainee Software Developer Dec, 2011 to Sep, 2012
INDT - Instituto Nokia de Tecnologia
Activities: Worked on the development of the Ginga-NCL Digital TV presentation environment for the Nokia S40 and Windows Phone platforms.

Intern Jul, 2011 to Nov, 2011
INDT - Instituto Nokia de Tecnologia
Activities: Developed Symbian 3 and Symbian Anna apps that used NFC technology with the Qt framework.

Intern May, 2009 to Sep, 2010
CETELI - Centro de P&D em Tecnologia Eletrônica e da Informação
Activities: Worked with Nokia S60 and Maemo platforms, developing apps with Qt framework.