George
Corrêa de Araújo

✉ george.gcac@gmail.com   ⌨ /george-gca

in /georgecdearaujo   ⟨⟩ https://george-gca.github.io/

📞 +55 19 994538564   📍 Campinas, SP, Brazil

// TECHNICAL SKILLS

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

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

Operating systems (desktop)
Linux
Windows

// 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

// 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.
*/

/* 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
*/

// 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.