SÉRGIO DE ALMEIDA CIPRIANO JÚNIOR

Graduating in software engineering from UnB. Scientific initiation student in optimization, supervised by John Lenon Cardoso Gardenghi. Currently focused on contributing to free software, especially with the Debian project.

CONTATO

sergiosacj@hotmail.com.br
sergio.almeida@aluno.unb.br
+55 (62) 993731719
sergiosacj.com
@SergioAlmeidaCiprianoJr
Sérgio Júnior

SKILLS

Programming

C/C++
Julia
Python3
TeX
Typescript
Javascript
HTML/CSS
Bash

Operational systems

GNU/Linux
Windows

Tools and frameworks

Git
Docker
Django
Vuejs
LibreOffice
React

Languages

Portuguese
English

EDUCATION

01/2018 - 12/2022
University of Brasília, Campus Gama

Bachelor of
Software Engineering

COMPETITIONS

Runner-up of the II IESB Christmas Marathon

https://danielsaad.com/maratona/blog/2019/12/07/resultados-2-mdp-natal-iesb.html

During the IESB Christmas Marathon, we were the second best team and the only one that got all the accepted on first try.

RECENT PROJECTS

Tmate Debian Packaging

07/2019 - 12/2020

https://tracker.debian.org/pkg/tmate

Tmate is a terminal multiplexer with instant terminal sharing. Updates were made to the Debian package and Debian patches have been forwarded upstream.

ArBC

07/2019 - 12/2019

https://github.com/fga-eps-mds/2019.2-ArBC

ArBC is a web application based on AR.js and A-Frame AR (Augmented Reality) APIs, which aims to make the literacy process more interactive and engaging through this technology. The application has a front-end based on Vue.js (with the Vuex library) and back-end based on Django.

SCIENTIFIC INITIATIONS

Regularization methods for nonlinear programming

07/2020 - in progress

still not published

In this project, our goal is to study the state-of-the-art in methods of regularization, its computational implementation, the possible use of techniques of automatic derivation or approximation of derivatives in order to explore models of a higher order, and to verify its effectiveness against other classical methods through numerical experimentation.

Topics in linear programming and computational linear algebra

07/2019 - 11/2020

https://github.com/SergioAlmeidaCiprianoJr/IC-2019-2020

In this project, we work with the conjugate gradient method to solve a subproblem of the Newton method for unrestricted minimization, algorithm called Newton-CG.