

Lucas Matni Bezerra

Academic of Computer Engineering

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🏠 Belém - Pará

About Me

Undergraduate student in Computer Engineering at Universidade Estácio de Sá. I am currently a researcher at LASSE - Brasilsat, working on services involving movement algorithms and API authentication of satellite systems. I have also worked with services involving 5G networks. I am totally passionate and enthusiastic about technology and programming because I believe it is the way to have a better life experience. I am proficient in the following programming languages: Python, C, C++, Javascript, TypeScript, CSS and HTML. In addition, I have experience with open source technologies for DevOps such as Vagrant, Docker, GIT, Linux and knowledge of Web Design.

Relevant Experience

Researcher Scholarship @ LASSE - UFPA

Janeiro 2021 - Presente // Belém, PA

Project BrasilSat

April 2022 - Present

- ▶ Development, improvement and revision of an API focused on satellite tracking and antenna movement.
- ▶ Work done with Javascript language using React, Node.js.
- ▶ Communication and collaboration with a team of computer and electrical engineers.

Project Testbed

July 2021 - March 2022

- ▶ Works related to the installation, configuration and implementation of software, related to 5G network, being Acumos, an open source platform focused in creating, sharing and implementing AI (Artificial Intelligence) applications and MAGMA, an open source software platform that offers operators of network a mobile core network solution (working on the same documentation)

Project CAVIAR

January 2021 - June 2021

- ▶ Works related to the modeling and configuration of an environment for the use of machine learning in 5G systems within the scope of UFPA's participation in the ITU (International Telecommunication Union) challenge of the year 2021 with the project called CAVIAR. The ITU challenge is a global challenge on the theme "How to apply the machine learning architecture in 5G networks. Participation as a member of organizing team of the ITU challenge in editing documentation related to the project CAVIAR and challenge website editing.
- ▶ Article publication as co-author at the ITU Kaleidoscope international conference 2021, called **Reinforcement Learning for Scheduling and MIMO Beam Selection Using CAVIAR Simulations**.

Complementary Courses

- ▶ **Introduction to Python Programming @ LASSE - UFPA**
January 2021 - 40h // Belém, PA
- ▶ **Introduction to academic paper writing with LaTeX @ LASSE - UFPA**
February 2021 - 1h30 // Belém, PA
- ▶ **Introduction to Project Management with git @ LASSE - UFPA**
March 2021 - 1h30 // Belém, PA
- ▶ **Introduction to Node.js Programming @ LASSE - UFPA**
June 2021 - 50h // Belém, PA
- ▶ **Introduction to Reinforcement Learning (RL) @ LASSE - UFPA**
October 2021 - 13h // Belém, PA

Skills

Programming Languages

JavaScript (ES6), TypeScript, HTML, CSS/Sass, Python, PHP

Frameworks & Libraries

React, NextJS, ReacNative, Node.js, Vue Express, Chakra UI, Tailwindcss, Yup, Material UI, MongoDB

Tools & Plataforms

Git, GitLab, Docker, Wordpress

Design

Figma, Lunacy

Education

Faculdade Estácio de Sá

2018 - 2023 // Belém, PA

Bachelor's Degree in Computer

Engineering (Cursing - 8th Semester)

Languages

Portuguese // Fluent
English // Intermediary
Spanish // Basic

Hobbys

Read, play videogames, play sports, travel, watch movies and series, draw