



## Matheus Cardoso

Computer Scientist (B. Sc.)

### Contact

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### Skills

#### Programming Languages

|                 |           |
|-----------------|-----------|
| Python          | 3+ yrs.   |
| Shell Scripting | 3+ yrs.   |
| R               | 1.5+ yrs. |
| C/C++           | 1+ yrs.   |

#### Areas of expertise

|                                    |           |
|------------------------------------|-----------|
| System administration/<br>Linux    | 3+ yrs.   |
| Bioinformatics                     | 2.5+ yrs. |
| Data science                       | 2+ yrs.   |
| Low level programming/<br>Assembly | 6 mos.    |

#### Languages

|            |        |
|------------|--------|
| Portuguese | Native |
| English    | B1     |

## Biography

Computer science student, work with data analysis in the area of genomics and proteomics, developing software that automatically generates statistics on enriched monoclonal antibodies. His work mainly involves machine learning techniques, data mining, data analysis and data visualization. As a result, in addition to working in the area of computer sciences, He also have a strong focus on biological and data sciences.

In his free time he have been contributing to open source projects as well; Spanning from data science frameworks (Pandas), to educational learning software (Anki), and productivity programs (ncspot, unclutter and hacksaw).

## Education

### Computer Science | B.Sc. student

University of Brasília - UnB

01/2021 - today

I aced all my exams and projects until now.

GPA: 5/5

### Biotechnology | B.Sc. student

University of Brasília - UnB

01/2019 - 12/2020

I had the opportunity to internship in UnB's Bioinformatics and Immunology laboratory, where I contributed to the development of a software to assess enrichment of monoclonal antibodies. There I found that more than research I really enjoy to code, so I opted to change my majors to Computer Science.

GPA: 4.8/5

## Projects

### ATTILA - AutomaTed Tool For Immunoglobulin

University of Brasília - UnB

01/2019 - today

ATTILA is an open source project that analyses phage display libraries in order to assess monoclonal antibody enrichment. Doing this, the software is able to predict which antibodies can more effectively bind to target molecules. Doing this, ATTILA becomes a usefull tool to scientists working on vaccine development.

## Awards & Certificates

### Data Science Specialization

Johns Hopkins Bloomberg School of Public Health

03/2020 - 09/2020

### Copenhagen Bioinformatics Hackathon

BioLib

2020

Winner of the Hackathon challenge "Variant Pathogenicity Prediction".

### Capes Prize University Talent

CAPES

2019

Awarded by the Brazilian Ministry of Education as one of the top 1000 most talented students in the country in the year of 2019.