

Matheus Cardoso

UNDERGRADUATE STUDENT · BIOTECHNOLOGY

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"The roots of education are bitter, but the fruit is sweet." - Aristotle



Education

University of Brasília - UnB

BACHELOR OF SCIENCE (BIOTECHNOLOGY)

Brasília, Brazil

2019 – Present

Research Internships

ATTILA - AutomateD Tool For Immunoglobulin Analysis

UnB, Brasília, Brazil

SUPERVISOR: MARCELO M. BRÍGIDO

Mar. 2019 – Present

ATTILA searches for candidate immunoglobulin sequences in phage display libraries, generating as main output a list of sequences of heavy and light chain, which were selected by phage display experiment, and code for antibody fragments that can probably bind to the target molecule.

ATTILA package has programs developed in *Python*, *C*, *Perl* and *Shell script* to execute eight steps of a completely automated analysis. (Link to the project: github.com/Cardosaum/attila)

- Mathematical Modeling & Statistical Analysis
- Python Programming
- Data Visualization

Events

Oct. 2019 **Space Apps Challenge BSB**, Nasa

Brasília, Brazil

Oct. 2017 **Medical Workshop - Health beyond the physical body**, Unicamp

Campinas, Brazil

Community Service

University's self-assessment committee

Brasília, Brazil

Member

2019

Skills

Programming	Python, R, Bash, T _E X
Data analysis	Python (Numpy), Python (Pandas), Excel
WebDev	JavaScript, HTML5, CSS
Database	SQLite
Management	Git

Other

Citizenship	Brazilian
Birth year	1999
Languages	Portuguese (Native), English (Advanced), Spanish (Intermediate)