







Lucas R. Mendes

MSc Student in Information Systems

Brazilian, 22 years 
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Experience

JULY 2020 – PRESENT

Undergraduate Researcher / Instituto Politécnico de Bragança, Portugal

Research Field: **Data Analysis & Web Development** focused on Database of Foods.

Development of an integrated system that allows the complete management of a food database. The system includes interfaces for data maintenance and a panel for data analysis and machine learning. Main Technologies: Node, React, MongoDB, R (Shiny).

AUGUST 2017 – DECEMBER 2019

Undergraduate Researcher / Universidade Tecnológica Federal do Paraná, Brazil.

Research Field: **Web Development** focused on Accessibility and Inclusion.

Development of an automatic web system that converts mathematical markup symbol languages (MathML) into plain text. Providing more accessibility for blind users who navigate the web using screen readers.

Main Technologies: JavaScript, PHP.

Education

2020 – 02/2021

Master's Degree - Information System

Instituto Politécnico de Bragança, Bragança, Portugal.

2017 - 2020

Bachelor's Degree – Computer Science

Universidade Tecnológica Federal do Paraná, Ponta Grossa, Brazil

Professional Skills

Data Science

Python (Pandas, Keras, TensorFlow, Scikit-Learn, Dash, Seaborn, Plotly).

R (Dplyr, Ggplot2, Shiny, Leaflet, TidyR).

Databases (MongoDB, MySQL, Firebase, Neo4j)

Software (Power BI, Tableau, Excel).

Web & Mobile Development

ReactJS (Front-end)

NodeJS (Back-end)

React-Native (Mobile)

APIs (REST, GraphQL).

Personal Skills

- Team player
- Problem Solving
- Critical Thinking
- Dedication
- Public Speaking
- Adaptable
- Leadership
- Sociable

Languages

- Portuguese (Native)
- English (Advanced)

Achievements

- **Academic**
 - [2020] Current Academic Grading (IPB-Portugal): 17.2 out of 20.
 - [2020] Current Academic Grading (UTFPR-Brazil): 8.4 out of 10.
 - [2019] First Classified on Double Degree Program (UTFPR – IPB).
 - [2018-2019] 2x Best Presentation of Academic Research (UTFPR).
- **Professional**
 - [2020] HUAWEI Seeds for the Future 2020 – Portugal (National Event)
 - [2020] Hackathon Winner – HACKATOWN (Local Event)
 - [2020] Hackathon Winner – CASTLETHON (Local Event)

Publications

- Szesz Junior, Albino, Mendes, Lucas Ribeiro, & Silva, Sani de Carvalho Rutz da. (2020). **Math2Text: Software para geração e conversão de equações matemáticas em texto - limitações e possibilidades de inclusão.** *RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação*, (37), 99-115. <https://dx.doi.org/10.17013/risti.37.99-115>
- Jáima Oliveira, Regina Miura, Flaviane Freitas, Marília Blanco, Emely Oliveira. (2020). Tecnologias educacionais como suportes para a inclusão escolar. In Szesz Junior, Albino, Mendes, Lucas Ribeiro, & Silva, Sani de Carvalho Rutz da. **Matemática fácil: sistema online para produção de equações matemáticas acessíveis.** (pp-11-26). São Carlos/SP: Editora De Castro. DOI: 10.46383/isbn.978-65-86540-08-6.

Portfolio & GitHub

- GitHub: <https://github.com/lrmendes>
- Portfolio: <http://lrmendes.github.io>