Gabriel Madeira

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EDUCATION

FEDERAL UNIVERSITY OF RIO GRANDE DO SUL (UFRGS)

BS in Computer Science

Mar 2020 - Present (Graduating in June 2023)

Porto Alegre, RS, BR

Institute of Informatics

FEDERAL UNIVERSITY OF RIO GRANDE (FURG)

BS in Computer Engineering

Mar 2019 - Dez 2019 (university and course transfer after one year)

Rio Grande, RS, BR

Computer Science Center

GPA: 9.40 / 10.00

FEDERAL UNIVERSITY OF RIO GRANDE (FURG)

BS in Information Systems

Mar 2018 - Dez 2018 (course transfer after one year)

Rio Grande, RS, BR

Computer Science Center

GPA: 9.62 / 10.00

QWERTY PROFESSIONAL EDUCATION SCHOOL

Technical course in Computing

Mar 2015 - Dez 2016

Dom Pedrito, RS, BR

GPA: 9.32 / 10.00

SKILLS

PROGRAMMING

Python • Javascript • PHP • HTML • CSS Angular • Shell • LaTeX • MySQL PostgreSQL • C • C++

LANGUAGES

Portuguese (Native) •
English (Professional)

EXPERIENCE

NELOGICA | Software Development Intern

Fev 2021 – Present | Porto Alegre, RS, BR

QWERTY NEWS PORTAL | Computer Technician

Apr 2016 – Jul 2017 | Dom Pedrito, RS, BR

- Developed a Arrival and departure control system using HTML, CSS, Javascript, PHP, MySql.
- Developed a Transparency portal using HTML, CSS, Javascript, PHP, MySql.
- Video editing and art creation for the news portal.

RESEARCH

FURG INFORMATION MANAGEMENT RESEARCH GROUP | Undergraduate Researcher

Jun 2018 – Jul 2020 | Rio Grande, RS, BR

Advised by **Eduardo Borges** was performed:

- Cleaning anomalies in a database of more than 500 thousand rows with Postgresql.
- Development of recursive algorithm for the visualization of academic trees.
- Developed **The Gold Tree**, a web tool for academic genealogy analysis using HTML, CSS, Javascript and Postgresql.
- Study of several machine learning technical algorithms.
- The Nearest Centroid algorithm and TF-IDF method was used to model a advisor recommendation system.

PUBLICATIONS

[1] G. Madeira, E. Borges, M. Barañano, P. Nascimento, L. Giancarlo, M. Maia, H. Salles, and G. Dimuro. The gold tree: An information system for analyzing academic genealogy. In *International Conference on Enterprise Information Systems 2019*, pages 114–120, 01 2019.

[2] G. Madeira, E. N. Borges, G. Lucca, H. Santos, and G. Dimuro. A tool for analyzing academic genealogy. In *Enterprise Information Systems. Lecture Notes in Business Information Processing, vol 378*, pages 443–456. Springer, 2019.