Jéssica Ferreira Soares

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SKILLS

Technical: Python, Matlab, C++, SQL, Pandas, Pytorch, Scikit-learn, Matplotlib, Seaborn, Plotly, Tensorflow, Numpy, Airflow, S3, AWS, Sagemaker, Athena, Streamlit, Shap, machine learning, data visualization, teaching/training, data culture, research, agile methodology.
Personal: Dedication, organisation, determination, empathy, creativity.

EDUCATION

Universidade Federal de Minas Gerais **Belo Horizonte, Brazil**
M.Sc. in Computer Science *2017 - 2021*

Universidade Federal de Ouro Preto **Ouro Preto, Brazil**
Bachelor in Control Automation Engineering *2011 - 2017*

Johnson & Wales University **Providence, USA**
Computer Science and Electronic Engineering *2014 - 2015*

Instituto Federal de Minas Gerais Campus Ouro Preto **Ouro Preto, Brazil**
Control Automation Technician *2008 - 2010*

EXPERIENCE

Cornershop by Uber **Remote**
Data Scientist *Feb 2022 – May 2023*

- Built classification models for churn prediction, doing an extensive evaluation on feature explainability with shap;
- Built regression models for delivery window prediction;
- Managed projects, built presentation for stakeholders and documentation, performed statistical analysis, feature engineering, data cleaning and visualization;
- Used tools/programming languages as Python, SQL, Streamlit, Airflow, AWS (Athena, S3, and Sagemaker);
- Part of bilingual team, working with people from different countries.

Qintess **Remote**
Data Scientist *Aug 2020 – Feb 2022*

- Rose hypothesis, performed data visualization, web scraping, text ranking, presented insights and built predictive models applied to people analytics using Python;
- Trained semantic segmentation models to solve computer vision problems related to agriculture;
- Explored Brazilian public health databases to extract valuables insights;
- Wrote articles about data science based on the scientific literature for the company's blog.

Rock Content **Belo Horizonte, Brazil**
Data Engineer *Sep 2019 – Apr 2020*

- Responsible to create queries, dashboards, and perform data analysis using SQL, Metabase and Python;
- Lectured data analysis courses and documented the data team's activities.

Johnson & Wales University **Providence, USA**
Technical Support Assistant *Jan 2015 - May 2015*

- Provided assistance to students, staff and faculty with various computer procedures;
- Accountable for testing multimedia equipment and keeping the computer lab organized.

Fundação Gorceix (Research Organization)   **Ouro Preto, Brazil**
Engineer Intern   *Mar 2013 – Mar 2014*
- Used HTML, PHP, MySQL Database to support scientific projects of Escola de Minas.

University of California Berkeley   **Berkeley, USA**
Student Researcher - Summer Intern   *Jun 2015 – Aug 2015*
- Developed a computer vision program based on image processing techniques in Matlab to detect objects'displacement in MEMS.

Instituto de Gestão e Tecnologia da Informação   **Belo Horizonte, Brazil**
Professor   *May 2020 – Present*
- Developed academic content, lectured, and provided support for students in the computer vision course.

Instituto Tecnológico da Vale/ UFMG   **Belo Horizonte, Brazil**
Researcher   *Jul 2018 – Jul 2021*
- Investigated deep learning algorithms, specially convolutional neural networks, to predict motor actions using EEG signals.

Universidade Federal de Minas Gerais (UFMG)   **Belo Horizonte, Brazil**
Professor Assistant Intern   *Jul 2018 – Dec 2018*
- Responsible to prepare academic materials, teach, and correct exam in the Introduction to Computer Programming course in Python offered to the Physics and Mathematics undergraduate majors.

Instituto Tecnológico da Vale/UFMG   **Belo Horizonte, Brazil**
Researcher   *Aug 2017 – Jul 2018*
- Investigated technologies and developed research for teleoperation tasks for a bulldozer in a mining environment using virtual reality, computer vision, robotics, and control theory.

Universidade Federal de Ouro Preto   **Ouro Preto, Brazil**
Student Researcher   *Sep 2015 – Aug 2017*
- Developed programs in Matlab to identify and count parasites through image processing and machine learning algorithms.

Universidade Federal de Ouro Preto   **Ouro Preto, Brazil**
Student Researcher   *Aug 2015 – Feb 2016*
- Developed a supervisory system for a DC motor in C.

Universidade Federal de Ouro Preto   **Ouro Preto, Brazil**
Tutor of Computer Programming I   *Feb 2012 – Jul 2012*
- Assisted professors to clarify doubts during lab classes and helped students in their assignments;

NOTEWORTHY ACCOMPLIHSHMENTS

- 1 st place in the CRIC Hackathon 2017 (Computer vision, big data and machine learning) at Universidade Federal do Ceará;
- Team member of Rodetas Soccer Robot, responsible for embedded systems (Arduino platform) and artificial intelligence strategies in C++
  - 1 st Place in Latin American Robotic Competition (LARC), 2013;
  - 2 nd Place in Brazilian Robotic Competition (CBR), 2012;
- 3 rd Place Prêmio destaque do SEINTER at Universidade Federal de Ouro Preto, best banner and presentation about studying abroad experience during the Encontro de Saberes in November of 2015.

PUBLICATIONS

- Rezeck, Paulo, et al. "An immersion enhancing robotic head-like device for teleoperation." 2018 Latin American Robotic Symposium, 2018 Brazilian Symposium on Robotics (SBR) and 2018 Workshop on Robotics in Education (WRE). IEEE, 2018.
- REZECK, Paulo et al. Framework for haptic teleoperation of a remote robotic arm device. In: 2018 Latin American Robotic Symposium, 2018 Brazilian Symposium on Robotics (SBR) and 2018 Workshop on Robotics in Education (WRE). IEEE, 2018. p. 170-175.

FOREIGN LANGUAGES

o Portuguese (native language), English (fluent), Spanish (intermediate).

VOLUNTEER WORK

Volunteer in Lutheran nursing home in Jamestown, USA *Jun 2017*

Volunteer in the mining damn disaster in Mariana, Brazil *Nov 2015*

Volunteer in Rotaract social projects in Mariana, Brazil *Feb 2017 - Aug 2017*