BRUNO BALDEZ CORREA

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EDUCATION

09/2017 – 02/2019 **Erasmus Mundus Full Scholarship Joint Master in Big Data Management and Analysis**
Universidad Politécnica de Catalunya — Barcelona, Spain
Université Libre de Bruxelles — Brussels, Belgium

08/2014 – 04/2015 **Brazil Mobility Program Full Scholarship in Computer Science**
University of West Florida — Pensacola, FL, USA

08/2011 – 07/2016 **Technology in Internet Systems**
Universidade Federal de Santa Maria — Santa Maria, RS, Brazil

PROFESSIONAL EXPERIENCE

03/2019 – 03/2020 **Data Engineer Intern** — Barcelona, Spain
Hosco
– Data warehouse modeling and management + machine learning algorithms.
– Advanced SQL on RDS and Columnar Databases + Business Intelligence (BI) Reporting.
– Lambda functions, APIs integration, design and automation of ETL jobs and complex computational workflows.
Stack: Python, Airflow, MySQL, Postgres, Redshift, AWS, Tableau

08/2016 – 07/2017 **Junior Software Developer**

08/2015 – 07/2016 **Software Developer Trainee**
Animati Computação Aplicada — Santa Maria, RS, Brazil
– Back-end development using technologies such as MySQL, Java and Spring Framework.
– Leading implementation on a new version of the company's web application, following the concepts of SPA using Angular Framework and Node.js.
Stack: Java, JSP, MySQL, Spring, HTML, CSS, JS, Node.js, Angular

05/2015 – 07/2015 **Research Experience for Undergraduate (REU)**
New York Institute of Technology (NYIT) — New York, NY, USA
– Conducted research using Data Mining and Machine Learning techniques aiming to develop a model capable of monitor and identify Parkinson Disease progression in patients based in a dataset provided by the Michael J. Fox Foundation for Parkinson's Research.
– Conducted research on Human Action Recognition (HAR) using smartphone sensors.

08/2013 – 02/2014 **Undergraduate Research and Development**
Núcleo de Pesquisa e Produção de Conteúdos para Plataformas Digitais (NPC), Universidade Federal de Santa Maria — Santa Maria, RS, Brazil
– Conducted research and development of publishing/distribution models of teaching materials for mobile platforms.
– Worked on test and development of teaching materials targeting greater interaction between user and product through the capabilities offered by mobile devices.

08/2013 – 02/2014 **Undergraduate CNPq Scientific Research**
Núcleo de Pesquisa em Inovação e Tecnologias Computacionais (iTeC), UFSM — Santa Maria, RS, Brazil
– Conducted research on mobile devices, mobile operational systems, and development for mobile devices targeting a multiplatform development technique.
– Conducted research aiming to develop an interoperable solution for Internet and mobile devices.

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TECHNICAL SKILLS

Languages	Portuguese (Native), English (Bilingual), Spanish (Intermediate)
Technologies	AWS, Airflow, Tableau, Talend, SageMaker, Weka, SQL, Git, Angular, NodeJS
Programming	Python, Java, C++, PHP, HTML, CSS, JS, Typescript

ACADEMIC PROJECTS

Spring 2018 **AWS Cloud Application**

– Development of a cloud application through the use of AWS ecosystem.
– Use of web scrapping techniques to extract user image data.
– 3rd part image recognition APIs integration to generate image descriptions and tags.

Spring 2018 **Big Data Management Projects**

– Neo4j Graph database and SPARQL Knowledge Graph exploration.
– Analysis on distributed datasets with Spark and Hadoop.
– NoSQL databases experiments on MongoDB and Hbase.

Fall 2017 **Data Mining Projects**

– Use of clustering analysis over a marketing campaign calls dataset from a Portuguese bank institution aiming to understand if a group of clients would subscribe for a bank term deposit.
– Improve customer satisfaction analysis in a Help Desk environment using association rules in parallel with a Market Basket problem approach.

Spring 2016 **A Computational Model to Support the Diagnosis of Parkinson's Disease** (undergraduate thesis)

– Development of a computer model to support decision-making regarding the diagnosis of patients following the concepts of Ubiquitous Health Monitoring, data-mining techniques and exploring the identification of disease symptoms using smartphones sensors.
– Development of an Android application for smartphone sensors data log and integration with a Human Activity Recognition API.