Willy Garabini Cornelissen
Curriculum Vitae

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MASTER RESEARCH

"A Survey of Machine Learning applied to a Music Information Research(MIR) task: Onset Detection"

Machine Learning is being applied in many areas with excellent results actually, including audio and music (MIR - Music Information Retrieval). The work done to get my master degree deals with the automatic detection of musical onsets and the investigation of the applicability of machine learning. Many MIR tasks are showing a lot of benefits using this new data paradigm.

WORK EXPERIENCE

JAN 2016 - OCT 2016 (FT)

Zunnit Sistemas Inteligentes
Software Engineer

Analysis and development of machine learning solutions, using Python and JAVA.

FEB 2011 – NOV 2014 (FT)

SENAC-MS
Teacher

Instruction and teaching on many extension courses: JAVA, PHP, SCRUM, Database Management and Development Frameworks.

APR 2005 – DEC 2010 (PT)

IBM
JAVA Developer

Involved on many development teams, working on IBM's clients in diverse fields: supply chain, CRM, Automatic Translation and Web development.

FEB 2002 – DEC 2004 (PT)

TRE-MG
PHP Developer

PHP Development for the elections of 2002 and 2004 in Brasil.

INTERNATIONAL EXPERIENCE

Haytheon

POSITION | C++ Developer
PROJECT | SIVAM - System of Surveillance of Amazon

IBM USA

POSITION | C++ Developer
PROJECT | AMMS - Anthem Medical Management System

EDUCATION

2018 – NOW | **Master of Artificial Intelligence**
Escola de Música
Universidade Federal de Minas Gerais

1992-2000 | **Departamento de Ciência da Computação**
UNIVERSIDADE FEDERAL DE MINAS GERAIS

1989 – 1992 | **Technician**
INFORMÁTICA INDUSTRIAL
CEFET-MG

CERTIFICATIONS

2017 | **Neural Networks for Machine Learning**
Coursera

2016 | **Introduction to Natural Language Processing**
Coursera

2016 | **Machine Learning**
Coursera

2016 | **Learning with Scikit-Learn**
DataCamp

SKILLS

PROGRAMMING | Python, JAVA, PHP, Javascript
FRAMEWORKS | Scikit-Learn, Tensorflow, Scipy
DEVELOPMENT | Machine/Deep Learning, UML, IS
FIELDS | MIR, Bioinformatics, NLP

PUBLICATIONS

Cornelissen, W. G., Loureiro, M. A. (A ser publicada). Detecção de onsets usando o aprendizado de máquina *Dissertação*, Belo Horizonte, MG.

Cornelissen, W. G., Loureiro, M. A. (2019). Detecção automática do início de notas usando o aprendizado de máquina *ANPPOM*, Pelotas, RS.

Cornelissen, W. G., Loureiro, M. A. (2019). Automatic onset detection using convolutional neural networks. *SBCM*, São João del Rei, MG.

Endereço Lattes: http://lattes.cnpq.br/5686440703188985