JOHANNES MARIO MEISSNER BLANCO

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Cantabria, Spain

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EDUCATION

University of Cantabria, Santander   *Sept 2015 - June 2019*
Bachelor of Computer Science   **GPA Average: 90.5 / 100**
Specialization in computation and machine learning

RESEARCH EXPERIENCE / PUBLICATIONS

Present and Future of Educational Data Mining: A Review   [published: here]
International Conference on Education, Technology, Innovation and Development
Summary of the techniques and algorithms used in Educational Data Mining with examples of the problems that they can solve and discussion on the expected future of the discipline. Work supported by my research scholarship at University of Cantabria.

Deep Learning Image Segmentation for Vocal Cord Recognition   [ongoing]
Target journal: *IEEE Transactions on Biomedical Engineering*
Applying deep learning techniques to find the glottis and vocal cords in medical images, achieving state of the art results. Project repository: https://github.com/mariomeissner/unet-segmentation

Data Mining for Academic Performance Prediction   [ongoing]
Using machine learning techniques on student usage data of online teaching platforms to predict academic performance. Work supported by my research scholarship at University of Cantabria.

ACADEMIC ACHIEVEMENTS

Received **Funcación Botín Scholarship of excellence** 3 times in a row.   *2016-2019*

Won **First Prize at Hack2Progress Santander** Hackathon, with cloud-based public lighting
management to reduce power consumption.   *2018*

WORK EXPERIENCE

Research Scholarship at University of Cantabria   November 2018 - June 2019
Research Assistant   *Santander, Spain*

· Scholarship awarded by the Ministry of Education for top students to carry out research in collaboration with university departments.
· Working on improving prediction models in the field of Educational Data Mining, by introducing novel deep learning methods.

Siemens November 2017 - June 2018
Working Student *Munich, Germany*
- · Security and product vulnerability monitoring assistance.
- · Improving of in-house monitoring tools.

BRL CAD June 2017 - September 2017
Open Source Contribution *Remote*
- · European Space Agency Summer of Code Scholarship for 3 months
- · Implemented heterogeneous density support to their modelling software

PROJECTS

Encoder-Decoder Model for conversation simulation *2018*
Utilizing novel encoder-decoder deep learning models to produce replies to text messages,
using my own message history as dataset.
Read more about it here: `https://mariomeissner.github.io/chatbot/`

SKILLS

Languages
Spanish (C2, Native), English (C2), German (C1, Half-native), Japanese (N2)

Programming
Python (Numpy, Tensorflow), Java, Javascript, C, R ...