Michaël de Vries

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EDUCATION

UNIVERSITY OF TWENTE
PREMASTER COMPUTER SCIENCE
Sep 2017 - Apr 2018 | Enschede
Premaster as minor of bachelor

SAXION UNIVERSITY OF APPLIED SCIENCES
BACHELOR COMPUTER SCIENCE
Expected Nov 2018 | Enschede
Incl. 30EC in big data electives

SKILLS

DATA SCIENCE
Model development
ETL
Visualization
Deployment

PROGRAMMING
Python
Java

TOOLS
Linux (CentOS, Redhat, Ubuntu), TensorFlow, Keras, PyTorch, Jupyter, Docker, Bash, Apache Flink, Apache Spark, OSGi, Redis

EXPERIENCE

BELASTINGDIENST | DATA SCIENCE DEVELOPER/ENGINEER
Jan 2019 – Now | Apeldoorn
- Train and implement machine learning models for various NLP tasks.
- Framework development for model deployment.
- Role as scrum master.

LUMINIS | DATA SCIENCE INTERN
May 2018 – Nov 2018 | Apeldoorn
- Final internship in year 4 of the Bsc, graded 9.
- Trained a deep learning model for product categorization based on images of products.
- Created an interface for AI assisted product categorization using the trained model.
- Model (and interface) deployment in a docker container.

THALES | SOFTWARE DEVELOPER INTERN
Sep 2016 – Feb 2017 | Hengelo
- First internship in year 2 of the Bsc, graded 9.
- Developed a python interpreter which works within a multithreaded OSGi framework programmed in C.
- Work involved writing interoperable software in C and Python.

COMYOO | WEB DEVELOPER
Sep 2014 – Oct 2015 | Enschede
- Part-time job during bachelor.
- Web development using Angular in combination with Joomla.

PROJECTS

PREMASTER RESEARCH | HUMAN MEDIA INTERACTION
Sep 2017 - Feb 2018 | 10EC | University of Twente
A research on **speech emotion recognition** for the human media interaction section of the university of Twente. The research used speech fragments annotated with the emotions exhibited in the fragments by multiple annotators. The acoustic features of the speech fragments were analyzed to find discriminative features for a low level of agreement between annotators.

DATA STREAMING | JW PLAYER
Feb 2016 - Jun 2016 | 12EC | Saxion university of applied sciences
A group project in cooperation with two data scientist at JW Player. JW Player uses a **lambda architecture** for their video log processing, we were assigned to create a new branch in the **real-time processing** system. We implemented a **Apache Flink** streaming system which gave the top 10 topics of videos played in the past minute. To do so we implemented **topic modeling** using the stanford NPL package and trained a model based on data of the previous hour. The system was connected to **kafka** and wrote to a **redis** database, all of which we hosted on a **AWS cluster**.