KristinaArsova

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Education

TU/e (Jeronimus Academy of Data Science), s' Hertogenbosch, Netherlands (Trainee)
(January 2017 – Expected 15th of May 2019)

❖ **Professional Doctorate in Engineering in Data Science (Post-master)**

❖ *Thesis Topic 1: Prediction of excavation damage to the water distribution system of Brabant Water with highly unbalanced data.*

❖ *Thesis Topic 2: Steering of customer communication channels using topic modelling, process mining, and steady state Markov process.*

Notable Modules: Data Engineering and Big Data with Spark, Technical writing and Editing, Data Mining, Visualization, Process Mining, Data Ethics
Projects: Signify (Consumer behaviour analysis using Twitter data), Enexis (Predictive analytics with Machine Learning algorithms; Fraud detection), NetScalers (Customers Churn analytics), DAF (Prediction of steel prices), Brabant Water (Analysing water balance & Water usage relation to customer complaints and water leakages using only visualization techniques)

Technical University – Sofia, Bulgaria
(October 2013 – June 2015)

❖ **Masters in Industrial Engineering**

Key Skills gained:

- Specializing in Small Business Development and Marketing– planning and optimization.

Notable Modules: SBME (Small Business Management and Entrepreneur), Quality Management, Financial Analysis and Investment, Knowledge Management, Production Management, IT (SQL, MS Access Database Architectures, Transact SQL)

Universidad Pública de Navarra – Pamplona, Spain (Write and defend master thesis)
(April 2014 – July 2014) Erasmus student

Technical University – Sofia, Bulgaria
(September 2009 – July 2013)

❖ **Bachelor in Industrial Management**

Key Skills gained:

- Engineering: Optimization of manufacturing. Resolving problems related to management, marketing,   finance, and manufacturing technology.

Notable Modules: Marketing, Management of Marketing, Human Resiurce Management, Management, Microeconomic & Macroeconomic,   Building and Optimization of Manufacturing Systems

Work Experience

Brabant Water BV, s' Hertogenbosch, Netherlands (full-time)
(January 2018 –Present)

❖ **Job Title: Data Scientist**

Key projects:
- Short term water prediction for the region of Noord Brabant using XGBoost modelling;
- Leakage detection algorithms and their implementation in Pi OSIsoft;
- Linear optimization for optimal distribution of charging stations when using an AIR (Autonomous Inspection Robot) in the distribution system of Brabant Water;

TU/e (Jeronimus Academy of Data Science), s' Hertogenbosch, Netherlands (Trainee)
(January 2017 – 15th of May 2019)

❖ **Job Title: PDEng in Data Science/ Final project at Brabant Water**

GfK Hub, Sofia, Bulgaria (full-time)
(October 2015 – January 2017)

❖ **Job Title: Front-end-user support specialist – Big Data Analyst**

Key Skills and Knowledge gained:
- Analysing customer behaviour using panel data consisting of surveys combined with web navigation logs gathered from phone, tablets, and PC's usage of the people within the panel.
- Ad-hoc Big Data analysis
- SQL / (Hive QL)/ Transact SQL for Hadoop
- Front-End Support and quality assurance of custom visualization tools.

GfK ROC Canary Warf, London, UK (Erasmus Intern)
(July 2015 – September 2015)

❖ **Job Title: Brand and Customer Experience**

Key Skills and Knowledge gained:
- Working on consumer behaviour reports for companies like PERNOD RICARD, NIVEA, SCOTTS, and NOVARTIS.
- Using statistical and data mining techniques such as A/B testing, t-tests etc.
- Learning Market Research techniques and the use of SPSS software.

Learning Vision, Portsmouth, UK (Erasmus Intern)
(Nov 2014 –March 2015)

❖ **Job title: Business development**

Key Skills and Knowledge gained:
- Education Management
- Leadership skills

Personal Skills	Team worker
	Creative
	Communicative
	Organized
	Trustful and honest
	Logical
Professional Skills	**Data Science**
	Market Research
	Engineering
	Education
	Analytical skills

Language skills
❖ Bulgarian (Proficient)
❖ English (Advanced)
❖ Dutch (Intermediate)

Technical skills