Desared Osmanllari   Curriculum Vitae

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General Information

	Name	Desared
	Family Name	Osmanllari
	Date of Birth	June 9, 1993
	Gender	Male
	Current Address	Wollhausstraße 7, 74072 Heilbronn, Germany
	City of Birth	Corovode, Skrapar
	Nationality	Albanian

Education

Oct 2015 – present	**RWTH Aachen University, Aachen**	
	M.Sc. Software Systems Engineering, current German grade: 1.9	

Aug 2011 – May 2015	**American University in Bulgaria, Blagoevgrad**

Double Bachelor Degree, German grade: 1.7

Graduated top 10% of the 2015 class

- Computer Science, Bachelor Thesis: "Multiplayer Dice Game" (German Grade: 1.3)
- Information Systems, Bachelor Thesis: "Tour Guide Mobile Application" (German Grade: 1.0)

Apr 2014 - Sep 2014	**Otto von Guericke University, Magdeburg**

Erasmus Exchange Semester, Information Technology

Sep 2007 – Jun 2011	**Ismail Qemali, Tirana**

Higher Education Entrance Qualification

- A-levels: Physics, Maths, Informatics
- German grade: 1.3

Work Experience

Apr 2018 – present	**Master Thesis Student by AUDI AG & RWTH Aachen**

- Topic: Conceptualization and Development of a Predictive Big Data Streaming Application in the Context of Automotive Manufacturing.

Oct 2017 – Mar 2018	**Internship at AUDI AG – Data Science**

- Working at TechHub Data Driven Production group, which aims to efficiently automate the automobile manufacturing industry using big data technologies.
- The internship deals with topics on predictive modelling, validation, supervised/unsupervised learning and big data analytics. Data is ingested from various sensors and PLC systems, stored in a Hadoop cluster and analysed by Spark as a big data processing tool.
- Technologies and Concepts: Big Data, Data Lake, Smart Factories, RabbitMQ, Spark, Python, R, Tableau.

Apr 2017 – Jun 2017	**Internship at PwC – Forensic Technology Solutions**

- Assisting in the fields of Forensic Technology Solutions & Data Mining.
- Participating in projects concerning computer forensics, e-discovery, predictive data analysis and fraud detection.
- Technologies and Concepts: Relational Databases, Structured Data, ERP System, Java, Microsoft SQL, QlikView, SAP.

Nov 2016 – Feb 2017	**Teaching Assistant at RWTH Aachen University**

- Assisting Dr.Oya Deniz Beyan during "Big Data in Medical Informatics" lectures.
- Preparing learning materials, exercises, and homeworks about topics related to biomedical ontologies, RDF data models, and SPARQL query language.

May 2016 – Jul 2016	**Student Helper at RWTH Aachen University**

- Developing microservice applications, web components or widgets using las2peer as a Java-based Open Source framework for distributing community services in a peer-to-peer infrastructure.

Sep 2012 – May 2014	**CSSU- Computer Science Student Union**

- Organizing presentations of influential guest speakers and preparing events on interesting computer science projects.

Projects Involved

Feb 2017	**Lab: Data Visualization and Analytics – R statistical tool**

- Lab project presented at Fraunhofer Institute. The topic consists on movie predictions using multivariate regression and feature modelling. The application is built using R environment for computing and graphics.

May 2015	**Tour Guide Mobile Application – Android Application**

- Interactive Android application containing a static database of European touristic destinations.

May 2015	**Multiplayer Dice Game - Java**

- Multiplayer game using advanced algorithm and probabilistic functions.

Papers

Mar 2017	**SPARQL Query Optimization for Federated Linked Data**

- Chair of Information Systems & Databases, RWTH Aachen

Jun 2016	**An Overview of Visualization in Mathematics, Programming and Big Data**

- Chair of Media Computing and Human-Computer Interaction, RWTH Aachen

Languages

- Albanian: native speaker
- English: fluent (level C1-C2)
- German: upper intermediate (level B1-B2)
- Italian: intermediate level (level A2-B1)

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Technical Skills

- Programming Languages: Python, R, Java, Scala, LaTeX
- Big Data Stack: HDFS, MapReduce, Spark (SQL, ML, Streaming), RabbitMQ, Hive, HBase
- Operating Systems: Linux, Windows
- Query languages: MS SQL, MySQL, SPARQL
- Data Integration Tools: Talend, SSIS
- Modelling: UML, ER-Model, SAP
- Visualization Tools: Qlikview, Tableau
- Other: RabbitMQ, Databases (SQL and NoSQL), Git, Numerical Libraries, Scikit-Learn, Tensorflow, Keras

Honours and Awards

May 2015   Dean's List Scholar 2014/2015 B.A. Computer Science

May 2015   Cum Laude 2011-2015 B.A. Computer Science & Information Systems

Nov 2014   Phi Beta Delta Honour Prize for international experience

May 2010   Fund for Excellence from the Albanian Ministry of Education

Certifications

Jul 2016   SimulTrain – Project Management Simulation (RWTH Aachen University)

Nov 2016   R Programming (Certification Authority: Coursera)

Dec 2016   Getting and Cleaning Data (Certification Authority: Coursera)

Sep 2016   Statistical Inference/Regression Models (Certification Authority: Coursera)

Main Interests

- Machine Learning / Data Mining
- Big Data
- Software Engineering
- Information Management & Data Modeling
- Financial Accounting
- Politics
- Football

References

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