# Liana Napalkova, PhD
*Delivery Data Scientist at Microsoft*

## PERSONAL DETAILS

spark-submit
 —name Liana /
 —surname Napalkova /
 —birthdate 17-12-1982 /
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## TECHNOLOGICAL EXPERTISE

- Knowledge retrieval from large structured & unstructured data sets
- Batch & streaming data processing
- Machine learning and statistics
- Recommender systems
- Data engineering (Scala, PySpark/ Spark, Hadoop ecosystem)
- Reporting & dashboards (PowerBI)

## DOMAIN EXPERTISE

- Air transportation
- Logistics and supply chains
- Manufacturing
- E-commerce

## PAST DEVELOPMENTS

- Customers recovery system for the e-commerce platform
- Product ordering to improve click-through rate in the e-commerce platform
- Social media analytics backend

## KAGGLE COMPETITIONS

- Santa's Stolen Sleigh - Top 25%
- Reddit Comments - Swag Price Winner
- Bike Sharing Demand - Top 5%

## PERSONAL SKILLS

- Team player
- Analytical skills
- Strong sense of responsibility
- Positive attitude
- Proactive mindset

## WORK EXPERIENCE

*Dec'2018 - present*
Microsoft Services, EMEA - Barcelona (SPAIN)
**DELIVERY DATA SCIENTIST**

*Apr' 2016 - Dec'2018*
Eurecat, Big Data Analytics Unit - Barcelona (SPAIN)
**SENIOR DATA SCIENTIST | BIG DATA DEVELOPER**

*Mar' 2013 - present*
Universitat Autònoma de Barcelona - Sabadell (SPAIN)
**ADJUNCT PROFESSOR**

*Aug' 2011 - Apr'2016*
Aslogic - Rubí (SPAIN)
**DATA ANALYTICS TEAM LEADER**

*Feb' 2011 - Nov'2011*
University of Arizona - Tucson (USA)
**RESEARCH ASSISTANT PROFESSOR**

*Jul' 2006 - Jan'2011*
Riga Technical University - Riga (Latvia)
**SENIOR RESEARCH SCIENTIST**

## EDUCATION

*Sep'2006 - Oct'2010*
Riga Technical University - Riga (Latvia)
**Ph.D. IN ENGINEERING SCIENCE OF IT**

*Jan'2006 - May'2006*
Universitat Autònoma de Barcelona - Bellaterra (Spain)
**ERASMUS STUDENT EXCHANGE PROGRAM**

*Sep'2004 - Jul'2006*
Riga Technical University
**MSc in INDUSTRIAL LOGISTICS MANAGEMENT**

## COMPUTER SKILLS

- **Big data ecosystem:** Hadoop, Spark (batch and streaming), Kafka, Elasticsearch, Hive, Oozie/Hue
- **Cloud:** Azure, AWS/EMR/S3
- **Development environments:** Intellij IDEA, Databricks, Jupyter Nb, RStudio, CPLEX
- **Programming languages:** Scala, Java, Python, R
- **Scientific libraries:** SciPy, Pandas, NumPy
- **Machine learning toolkits:** Scikit-learn, Spark MLlib, XGBoost
- **Relational database systems:** MySQL, SQL Server
- **Web:** HTML, CSS, JavaScript

## LANGUAGE SKILLS

**Russian** - Mother tongue, **English** - Advanced,
**Spanish** - Advanced, **Catalan** - Basic
**Latvian** - Intermediate, **German** - Basic