

# Marija Stanojevic

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## SKILLS

### Advanced level (5+ years):

Algorithms & Data Structures, C++, Java, SQL

### Intermediate level (3+ years)

Machine Learning, Data Mining, Natural Language Processing, Deep Learning, Data Science, Research, ETL, Python, Statistical Modeling, R

### Familiar

HPC, Hadoop, Tensorflow, Matlab, AWS, Spark, Scala

## SELECTED COURSES

### Graduate

Statistical Methods 1 & 2, Machine Learning (ML), Advanced ML, Data Mining, Computer Vision, Complex Networks, Cloud Computing, Pattern Recognition, Speech Recognition

### Undergraduate

Algorithms & Data Structures 1 & 2, Programming 1, 2 & 3, Artificial Intelligence, Experts systems

## AWARDS

Temple Presidential Fellowship

## ACTIVITIES

TechGirlz - CS instructor (volunteer)  
Association for Computing Machinery  
Board of European Students of Technology (BEST) - alumni

## REFERENCES

Glenn Strycker (Conversant), at request, rec at my linkedin page

Zoran Obradovic (advisor), zoran.obradovic@temple.edu

Andrej Luneski (Head of Arbor Labs), andrej.luneski@arbor-education.com

## EDUCATION

### Temple University

PhD, Machine Learning and Data Science

expected Dec 2020

### University of Belgrade

MEng, Signal Processing

Sep 2017

### University of Belgrade

BEng, Software Engineering

Sep 2016

## EXPERIENCE

### Temple University

Research (RA) and Teaching Assistant (TA)

Sep 2017 – present

Philadelphia, PA

- RA (September 2017 - May 2018): Working on projects with Centers for Disease Control and QuintilesIMS. Modeling complex data with textual and time-series dimensions (word2vec/Glove, VDCNN, NLP, Tensorflow, Python, Django, PySpark, Java, SQLite).
- TA (September 2018 - May 2019) at Data Structures Course

### Alliance Data Systems, Conversant

PhD Data Science Intern

Jun 2018 – Aug 2018

Chicago, IL, USA

- Task: Unsupervised clustering of large-volume spatio-temporal data into clusters with stable properties (statistical analysis, meanshift/quickshift)
- Technologies: Hadoop, hive, python, pandas, geo and visualization libraries (folium, geopandas, shapely)

### Arbor Labs

Data Software Engineer

Sep 2015 – Jan 2017

Belgrade, Serbia

- Data gathering, cleaning and integration followed by classification and clustering analysis and visualization (R, Python, MySQL, D3.js).
- Software development with focus on system optimization (ETL, AWS).

## PROJECTS

### E-commerce Image Classification using Deep Learning

- Classifying user-provided images from e-commerce website into 5000 categories (ResNet, DenseNet, Python, TensorFlow, TfLearn).

### Grocery Sales Forecasting

- Data integration and feature selection followed by PCA and linear, SVM and ANN regression (TfLearn and Scikit-Learn).

### Methylation Variation in Colon Cancer

- Understanding methylation variation in cancer patients using statistical modeling, complex networks and multi-layer clustering (Python, R). Working with little samples and a lot of features dataset.