Active Machine Learning practitioner since 2015. Thinking with ML-glasses on.

DR. BRANISLAVA ŠANDRIH TODOROVIĆ

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I am...

Professionally, a Doctor of Computer Sciences and a Senior Data Scientist.

Privately, a Proud Mother of Two Wonderful Boys, guiding them to become honourable men.

Personally, a Gardener and a Dancer.

Core AI/ML Expertise

Natural Language Processing
   | Text Classification
Machine Learning & Deep Learning
Statistical Modelling and Quantitative Methods
Data Science Lifecycle
Algorithmic Thinking

Technical & Programming Proficiency

Python, Java, C
AI/ML Frameworks and Libraries
   | openai, numpy, pandas, pytorch, tensorflow,
   sklearn, spaCy, nltk, fasttext, seaborn,
   matplotlib, scrapy, re, beautifulsoup,
   fastapi, flask, dash
Cloud and DevOps
   | Docker, Azure Machine Learning Services
Unix
   | Ubuntu, Mint
Versioning tools
   | git
Web Technologies
   | HTML, CSS, JavaScript, NodeJS

WORK EXPERIENCE

NLB DIGIT, BELGRADE, SERBIA
AUGUST 2022 - PRESENT

Data Science Team Lead
• Coordinating 10+ people-sized team;
• Actively collaborating with higher management, data engineers, developers, customers, ...;
• Presenting prototypes, MVPs and final products;
• Identifying future projects that would add value;
• Planning team's annual projects strategy.

Senior Data Scientist & NLP Expert
• Gathering, cleaning and labelling data;
• Training and evaluating ML/DL models;
• Building different search/retrieval tools [banking-domain QA models, KB document information retrieval, AI-assisted car vendor];
• Writing model documentation and model deployment.

UNIVERSITY OF BELGRADE
OCTOBER 2015 – AUGUST 2022

Assistant Professor, Faculty of Philology, Belgrade
• Teaching data structures and algorithms, programming in Python and information retrieval to undergraduate students;
• Teaching corpora compilation, text processing, semantic web, web crawling and scraping to master students;
• Teaching data visualization, feature engineering, machine learning models with application to advanced NLP topics (such as named entity recognition, text classification, sentiment analysis) to PhD students;
• Examining and supervising students of all levels.

Junior Lecturer, Faculty of Mathematics, Belgrade
• Teaching front-end technologies, advanced programming in C language, object-oriented programming, data structures and algorithms.

SAP SE, WALDORF, GERMANY
JULY 2014 – OCTOBER 2014
Java Backend Developer

Languages

Serbian	☆☆☆
English	☆☆☆
Spanish	☆☆☆
German	☆☆

EDUCATION

FACULTY OF MATHEMATICS, BELGRADE

Doctor of Computer Science
OCTOBER 2015 – JULY 2020

• Defended thesis titled "Impact of Text Classification on Natural Language Processing Applications" (URL) *summa cum laude* (10/10)
• In 2021 received the Annual Award of the Mathematical Institute of the Serbian Academy of Sciences and Arts in the field of computing for PhD student (URL)

Master of Mathematics
OCTOBER 2014 – OCTOBER 2015

• Defended thesis titled "Refaktorisanje koda prema obrascima dizajna" [Code refactorization towards design patterns] (URL) *magna cum laude* (9.81/10)

Bachelor of Mathematics
OCTOBER 2010 – JUNE 2014

• Graduated *magna cum laude* (9.48/10)

ELECTROTECHNICS SCHOOL "NIKOLA TESLA"

Electrotechnician of Computing
SEPTEMBER 2006 – JUNE 2010