

# Marija Stanojevic

Deep Learning. Research. NLP. Bioinformatics. Data Science.

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## EXPERIENCE

### CAMBRIDGE COGNITION | APPLIED MACHINE LEARNING SCIENTIST

Aug 2022 - | Toronto, ON, Canada

- Multi-modal (speech, text, domain features) deep learning prediction of cognitive and mental health diseases (Transformers, CNN, Python, PyTorch, Docker, AWS).
- General Chair of Machine Learning for Cognitive and Mental Health Workshop @ AAAI 2024 (Research, Project Lead, Team Lead).
- Collaborating with pharmaceutical companies on various client projects.

### TEMPLE UNIVERSITY | FELLOW, RESEARCH (RA) AND TEACHING ASSISTANT (TA)

Jan 2017 - May 2022 | Philadelphia, PA, USA

- **Research Assistant** (Sep - May 2017/18, 2020/21): NSF, NIH, CDC, and IQVIA funded projects (Transformers, RNN, DL, NLP, Graphs, IR, Python, Keras, PyTorch).
- **Teaching Assistant** (Sep - May 2018/19, 2020/21, 2021/22). **Courses:** 1) Knowledge Discovery and Data Mining, 2) Computer and Low-Level Programming, and 3) Data Structures.
- **Presidential Fellow** (Jan 2017 - Aug 2020): awarded based on success.
- **2022 Outstanding Graduate Teaching Assistant Awardee.**
- **Main Organizer** of Mid-Atlantic Student Colloquium on Speech, Language and Learning 2022 (Project Lead, Team Lead).

### LINKEDIN | PHD MACHINE LEARNING INTERN

June - August 2021 | Philadelphia, PA, USA

- LinkedIn Learning - history-based course recommendation with deep learning (DL).
- Tech: Python, Spark, Scala, Keras, Tensorflow, Dali, internal tools.

### FACEBOOK | PHD MACHINE LEARNING INTERN

June - August 2020 | Philadelphia, PA || June - August 2019 | Menlo Park, CA, USA

- History-based extreme-class DL classification at Local Search Infra Team. (2020)
- Natural Language Processing at Recruiting Science Team. (2019)
- Designed and implemented deep learning models to solve the given problem.
- Tech: Python, Presto, PyTorch, Caffe2, DL, statistical NLP, internal tools.

### ALLIANCE DATA SYSTEMS, CONVERSANT | PHD DATA SCIENCE INTERN

May - August 2018 | Chicago, IL, USA

- Statistical analysis and clustering of large-volume spatio-temporal data.
- Tech: Hadoop, Hive, python, pandas, geo, folium, geopandas, shapely, rhoncus.

### ARBOR LABS | SOFTWARE ENGINEER

September 2015 - January 2017 | Belgrade, Serbia

- Software development; data cleaning and integration; supervised and unsupervised ML analysis; and visualization (ETL, AWS, R, Python, MySQL, D3.js).

## REFERENCES

Upon request or see LinkedIn

## SKILLS

### Proficient:

Deep Learning • Transform-  
ers • NLP • Python • Keras  
• PyTorch • Research • Data  
Science • Data Mining • AI-  
gorithms • Data Structures •  
MySQL/HIVE/Presto • C/C++ •  
Team/Project Lead • Java • IR

### Experienced:

Tensorflow • Hadoop • Bioin-  
formatics • Docker • CUDA •  
Graphs • Scala • Spark

## EDUCATION

### TEMPLE UNIVERSITY

PHD, MACHINE LEARNING

Apr 2023 | Philadelphia, PA, USA

Cum. GPA: 3.94 / 4.0

### UNIVERSITY OF BELGRADE

MENG, SIGNAL PROCESSING

Sep 2017 | Belgrade, Serbia

### UNIVERSITY OF BELGRADE

BENG, SOFTWARE ENGINEERING

Sep 2016 | Belgrade, Serbia

## ACTIVITIES

• **Published** 19 peer-reviewed papers, 6 as a first author

• **Citations:** 136, h-index: 5

• **Virtual Chair** of ICLR 2021 and ICML 2021

• **Mentored** four PhD and five undergraduate students

• **Associate Editor**, Social Network Analysis and Mining, Mar 2021 - current

• **Reviewer** at ACL 2021-24; NAACL 2022-24; ACL ARR 2021 - current; EMNLP 2022-23; ECAI 2023; ECML 2022; iEACL 2021; Nature Scientific Reports 2019; GHC - AI track 2021; and more