

DEYAN PETROV

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ABOUT ME

Technical Skills Intermediate level: Python/Bash/Unix/Linux
Beginner level: Java/Matlab/Haskell/Others
Excited to learn more on-the-job.

Languages Native Bulgarian, Professional English

Interests Machine Learning, Data Analytics, Software Engineering, Computer Science, Artificial Intelligence, Computer Vision, NLP. Keen on tackling useful and challenging problems from many domains.

RELEVANT WORK EXPERIENCE

Actelligent Group

Data Scientist Edinburgh, (October 2018 - Present)

- Engaging in correspondence with university professors.
- Procuring and preprocessing textual and historical stock data.
- Using AWS to train natural language processing models with large amounts of data.

Ontotext

Software Engineering Intern Sofia, (July 2018 - August 2018)

- Used Bash and SPARQL to write automated scripts to extract and verify NoSQL data for client requests.
- Fixed bugs in the logical consistency of the graph database and made small improvements in the back-end of a website created for an external client.
- Helped a professor in creating a machine learning classifier for more than 450000 companies based on their textual descriptions and other features.
- Participated in the email correspondences with the big client.

Experian

Analyst Intern, R&D Team Sofia, (February 2018 - May 2018)

- Extended the codebase of a new Python framework meant to be used by data modellers.
- Prepared and validated data using PySpark and made use of pytest for tests and bug fixes.
- Wrote Confluence documentation and logged JIRA issues and task progress.
- Performed version control via Git and Bitbucket.
- Underwent corporate data protection training.

SAMPLE PROJECTS

System Design Project Competition (competitive course)

(January 2017 - April 2017)

A robot football 2nd semester competition between 3rd year Computer Science teams at The University of Edinburgh.

- Tested various robot designs and sensors and assessed their effect on robot performance.
- Used Arduino to fix bugs and low-level command problems.

Propaganda Classifier (coursework)

(February 2019)

Used text classification models to determine whether news articles and sentences contain political propaganda or not.

Galaxy Classifier (coursework)

(March 2019)

Used image classification techniques to classify galaxies from a new dataset, provided by a PhD student and previously unexplored with machine learning methods.

Measuring the Transferability of Adversarial Examples (thesis)

(Sept. 2018 - April 2019)

Worked on evaluating how adversarial examples, created by using one machine learning model with known architecture, transfer to other models whose architecture is unknown.

Traffic Accident Classifier (hackaton)

(October 2019)

Used a dataset of accident and vehicle information to classify the severity of traffic accidents.

CERTIFICATIONS

Stanford University (Coursera)

- [Machine Learning](#).

Deeplearning.ai (Coursera)

- [Deep Learning specialization](#).

Can refresh my knowledge on these courses when needed.

EDUCATION

The University of Edinburgh (BSc)

Edinburgh, (2014-2019)

Focus on machine learning and data science in later years.

First English Language School

Sofia, (2009-2014)

Focus on English and Mathematics.