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Education

- MS Computer Science, FER, Zagreb, 2019 – cont.
 - seminar and project topics: Semantic segmentation of aerial images
Real-time semantic segmentation models
- BS Computer Science (univ. bacc), FER, Zagreb, 2019 – cont.
 - thesis topic: „Convolutional Models for Person Localization in Sport Broadcasts”

Work Experience

- CROZ, student internship, 3 months
 - rearranging warehouse resource layout to increase its throughput
 - analysis of past orders can tell us which resources are ordered together and for that reason we prefer arrangements where these resources are close to each other
 - idea is to model warehouse as a graph and create optimization procedure

Publications

- „Are you Human? Detecting Bots on Twitter Using Bert”
 - scientific papers as part of the „Text Analysis and Retrieval” course.
The paper is indexed on IEEE xlore [1] and ResearchGate
 - model for text classification using BERT, feature exploration, exploratory data analysis of tweets
 - presentation on „Smotra Sveučilišta 2020” [2]

Projects – selected

- Mentorship
 - real-time semantic segmentation with SwiftNet [3] architecture on CamVid [4] dataset
 - seminar on aerial image analysis and experiments on Inria Aerial Image Labeling datasets [5]
- Machine Learning
 - linear regression, logistic regression, svm, knn, ensemble, probabilistic estimation, grouping algorithms, naive Bayes model
- Fuzzy, Evolutionary and Neuro-computing
 - fuzzy logic and genetic algorithms frameworks, neural network digit classifier, ANFIS – neuro-fuzzy model, training neural network with genetic algorithm
- Deep Learning
 - multiclass logistic regression, deep neural networks, convolutional neural networks, recursive neural networks, generative models
- Semantic Segmentation Framework – DSLearn (in progress)
 - Framework for easier deep learning workflow – training, evaluation, generating reports...

[1] Are you Human? Detecting Bots on Twitter Using Bert - <https://ieeexplore.ieee.org/document/9260074>

[2] Smotra sveučilišta - <https://smotra.fer.unizg.hr/?p=215>

[3] Swiftnet - <https://arxiv.org/abs/1903.08469>

[4] CamVid - <https://paperswithcode.com/dataset/camvid>

[5] Inria Aerial Image Labeling - <https://paperswithcode.com/dataset/inria-aerial-image-labeling>