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https://github.com/dominikstipic/CV

Education

- MS Computer Science, FER, Zagreb, 2019 – cont
  - seminar and project, thesis topics: „Optimization of the deep learning process"
    „Real-time semantic segmentation models"
    „Semantic segmentation of buildings in satellite imagery"

- BS Computer Science (univ. bacc), FER, Zagreb, 2016 – 2019.
  - thesis topic: „Convolutional Models for Person Localization in Sport Broadcasts"
  - menthor: prof. dr. sc. Siniša Šegvić

Work Experience

- PhishAr - ML engineer, full-time job, Mar 2021-Aug 2021
  - research and development of ML pipeline for computer vision task.
  - technology: Python, Git, Docker, Google Cloud Platform, Amazon Mechanical Turk
- CROZ - student internship, Jul 2019 – Sep 2019
  - algorithm for rearranging warehouse layout to increase its throughput
  - technology: Python, Spark, SQL

Publications

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

Student Projects

- 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 – DeepSat
  - Pipeline for deep learning workflow – training, evaluation, generating reports...

Technology

1. Python Java
2. R Linux C C++

[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