Dominik Stipić
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github.com/dominikstipic/CV

Education

01/2024 – *WIP* Postgraduate, Information Security, Faculty of Electrical Engineering and Computing, Zagreb, Croatia

10/2019–2/2022   MS Computer Science, Faculty of Electrical Engineering and Computing, Zagreb, Croatia
- Thesis topic: „Semantic segmentation of buildings in satellite imagery"
- Recommendation letter from prof. dr. sc. Siniša Šegvić
- Additional activities: Football sports section; Boxing; English language Courses; Communication skills;
    Programming Language R

10/2016–7/2019   BS Computer Science, Faculty of Electrical Engineering and Computing, Zagreb, Croatia
- Thesis topic: „Convolutional Models for Person Localization in Sports Broadcasts"
- Additional activities: Haskell, Java Programming Langage, Linux, Arduino and Rasberry PI workshops,
    Discrete & Continous Mathematics; CubeSat Satellite Section

Skills and Relevant Courseworks

- Technologies and Languages:
    - Java, Python
    - SQL, R, JavaScript, C, Haskell, C++, Linux
    - PyTorch, Tensorflow, Excel, Java EE, Docker, Node.js
- Skills: Writing and Communication; System Modelling; Presentation; Engineering mindset; Research
- Relevant Coursework: Algorithms and data structures; Machine learning; Text analysis and retrieval; Deep learning; Financial mathematics; Stochastic processes; Fuzzy, evolutionary and neuro computing; Discrete & Continous Mathematics; Software Design; Statistical Data Analysis; Operational Research

Industry Experience

1/2023-8/2023   Traineeship in Market Opearations, European Central Bank, Frankfurt at Main, Germany
- Market Operation Analysis / Market Operations Framework Section
- Technology: Python, Jupyter Notebook, Oracle Database, Tableau, Excel, Bloomberg, Dagster
- Highlighted Skills: Essentials of Monetary policy and Economy, Presentation skills, Communication skills,
    Data analysis, Research, Technology.

3/2022-9/2022 Software Engineer, Amphinicy Technologies, Zagreb, Croatia
- Software engineer for the satellite industry products [1].
- Technology: Java EE, WildFly server, Docker-compose, IntelliJ, Git
- Highlighted Skills: Software design and implementation, Managing large code base, technical documentation
    Written and oral communication, Learning domain specifics

3/2021-9/2021   ML engineer, PhishAR**,** Zagreb, Croatia
- Research and development of end-to-end ML pipeline for computer vision tasks.
- Technology: Python, Tensorflow, Git, Docker, Google Cloud Platform, Amazon Mechanical Turk
- Highlighted Skills: Project planning, Independence, communication

7/2019-9/2019   Student internship in data science/engineering, CROZ, Zagreb, Croatia
- Design algorithm for rearranging warehouse layout to increase its throughput.
- Technology: Python, Apache Spark, Oracle database, SQL
- Highlighted Skills: Project presentation, Data analysis and engineering, knowledge extraction

Academy Experiance

- 2020 Researcher, Text Analysis and Retreval Course, DSAA 2020 conference
    - Name: „Are you Human? Detecting Bots on Twitter Using Bert"
    - The paper is indexed in IEEE xplore and ResearchGate.
    - Model for text classification using BERT, feature exploration, exploratory data analysis of tweets
    - Presenting work on the online conference [2].
- 2020 University days event, 2020 [3]
    - Presenting my paper to potential students and answering student questions.
- 2019 Research assistant, FERsat project
    - The aim of the project was monitoring of light pollution from space.
    - The paper is indexed in IEEE xplore.
    - Remote satellite imaging systems, hyperspectral imaging, research on night-time multi-band image datasets, automatization and weekly presentation in front of professors

[1] Contributing to Amphinicy product – https://www.amphinicy.com/news-and-press/news/monica-v62-has-launched

[2] DSAA conference, Day 2 – http://dsaa2020.dsaa.co/technical-program/

[3] Smotra sveučilišta – https://smotra.fer.unizg.hr/?p=215