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Zagreb, Croatia

About me:
Marijan Smetko, 24, student of FER, University of Zagreb, Croatia.
My primary interests are machine (and deep) learning and computer vision. Other interests include: physics, math (especially statistics), chemistry, chaos theory, and quantum computing.
I'm also deeply married to the idea of computers as tools for automating redundant tasks, so I write a lot of Python and bash scripts.

Python

Linux

ML/DL & Data analysis

DevOps

C/C++

Java

Web development

Marijan Smetko

AI and Computer Vision Engineer

Faculty of Electrical Engineering and Computing (FER), University of Zagreb

Experience

July 2021 - present, *Junior AI Engineer* @ Photomath
- Implemented model explainability and visualization tool
- Extensive model design & performance testing and evaluation

July 2020 - July 2021, *Computer vision intern* @ RealNetworks
- SOTA pipeline for model quantization for Google Coral TPU devices
- Collected dataset and trained a model for face anti-spoofing

Apr 2018 - Sep 2019, *Machine learning intern* @ Styria.AI
- Designed and implemented internal tools: request authorization service and a visual similarity model demo
- Statistical analysis of various deployed models
  - Improved performance by more than 10 points

Sep 2018 - Feb 2019, *Team leader* @ FER
- Managed a team of 6 students for *Software design* class project
- SPA for recipe creation and sharing, with recipes as DAGs
- Responsibilities: backend, deployment, and student coordination

Education

2016 - 2019, BSc in Computer Science, FER
- Thesis: *Visualization of class activation maps for image classification*
- Relevant courses: *Artificial intelligence*, *Software design*, *OOP in Java*, *Design patterns*, *Statistical data analysis*

2019 - 2021, MSc in Computer Science, FER
- Thesis: *Incremental open-set recognition for semantic segmentation*
- Relevant courses: *Computer vision*, *Machine learning*, *Deep learning*, *Competitive programming*, *Digital image processing and analysis*

Achievements

2016, *Matura exam*
Achieved 100% in Math and Information Science, and 98% in Physics

2021, *Google Foobar*
Got an invitation to a secret Google programming challenges

2021, *ILPC*
Held online 6-week long Python course for students of FER

Interests

Professional
Data analysis, Computer vision, Machine learning, DevOps, Team leading, Project managing

Personal
Piano, Math, Physics, Chemistry, Chaos theory, Quantum computing, Stock market investing