



msmetko.xyz
gitlab/msmetko
github/InCogNiTo124
in linkedin/marijan-smetko
marijan@msmetko.xyz
+385 92 165 09 54

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.

Marijan Smetko

Computer Vision Engineer Intern

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

Experience

July 2020 - present, *Computer vision intern, RealNetworks*

- Developed a SOTA pipeline for computer vision model quantization for Google Coral TPU devices
- Exploring Huawei Atlas 800 TPU server

Apr 2018 - Sep 2019, *Machine learning intern, Styria.AI*

- Designed and implemented a request authorization service
- Designed and implemented a visual similarity model demo GUI
- Researched production model serving options for PyTorch
- 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: *TBD*
- Relevant courses: *Computer vision, Machine learning, Deep learning, Competitive programming, Digital image processing and analysis*

Software Development Skills

- | | | | |
|---------|---------|-----------|--------------|
| Python3 | bash | Linux | git |
| C | C++ | Java | SQL |
| NumPy | PyTorch | SciPy | scikit-learn |
| pandas | Docker | Gitlab CI | |

Achievements

2016, *Matura exam*

Achieved 100% in Math and Information Science, and 98% in Physics

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