



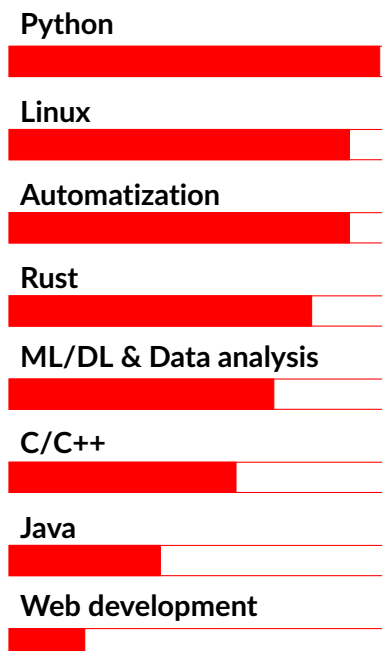
🏠 msmetko.xyz  
🔗 gitlab/msmetko  
🐙 github/InCogNiTo124  
in linkedin/marijan-smetko  
✉ msmetko@msmetko.xyz  
✉ terra.incognita

📍 Zagreb, Croatia

### About me:

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.

### Techs I like to work with:



# Marijan Smetko

## Systems Development Engineer @ Google

### Experience

#### July 2023 - present, Systems Development Engineer @ Google

- Preparations and deployments of Math Explanation Generative LLM

#### July 2021 - July 2023, Junior AI Engineer @ Photomath (aq. by Google)

- Implemented model explainability and visualization tool
- Extensive model design & performance testing and evaluation
- Implemented an internal platform for machine learning experiments

#### 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 2016 - Feb 2021, Student projects @ FER

- SPA for recipe creation and sharing, with recipes as DAGs
- Compiler for subset of C, for a custom hardware

### Education

#### 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*

#### 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*

### Achievements

#### 2016, Matura exam

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

#### 2021, Google Foobar

Google's secret programming suite. Solved it twice.

#### 2021, ILPC

Held online 6-week long Python course for students of FER

### Interests

#### Professional

Data analysis, Computer vision, Machine learning, DevOps, Compilers

#### Personal

Piano, Accordion, Math, Physics, Chemistry, Chaos theory, Finances, Quantum computing