Pragmatic Machine Learning

ST6

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ABOUT ME



Stefan Dobrev

Co-Founder of ST6

I have been fighting entropy in software for more the last two decades. I believe that nothing is impossible, it just takes a little longer to accomplish.

My mission is to build great teams fueled by a strong culture. My playground is **ST6** - a cultural startup with a focus on software craftsmanship.

LEARNING

Artificial Intelligence

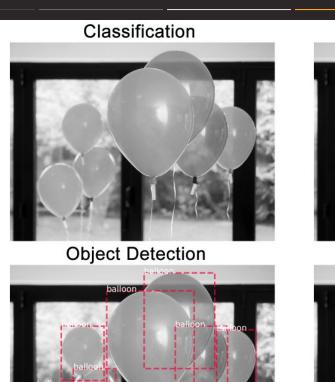
Machine Learning

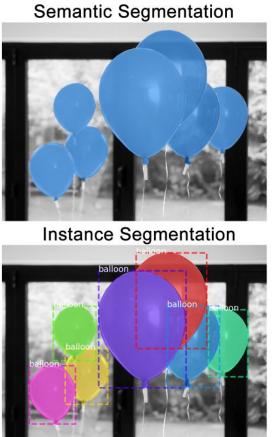
Deep Learning

DEEP LEARNING DOMAINS

- Computer Vision
- Text (natural language processing)
- Audio (speech recognition)
- Tabular data
- Others recommendation systems, point cloud, graphs
- Combining text and images

COMPUTER VISION TASKS





COMPUTER VISION TASKS



Keypoint Detection

Style





- Versioning
- Monitoring

Data

- Gathering
- Cleaning
- Drifting

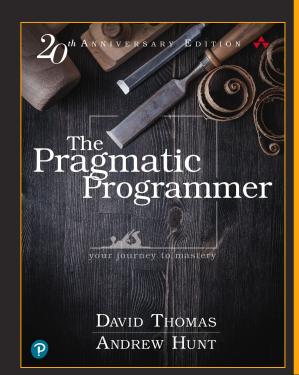
Machine Learning Lifecycle

Model

- Training
- Optimizations

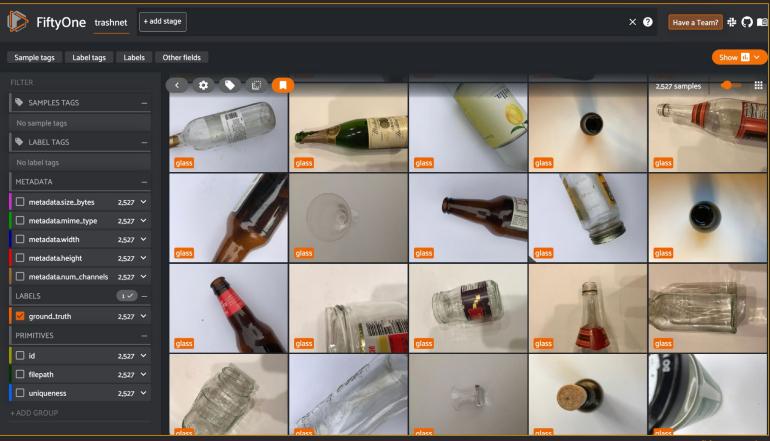
PRAGMATIC MACHINE LEARNING

- Focus on delivering value end to end
- Tools amplify talent
- Fast feedback loop
- Tip 1: Care about your craft

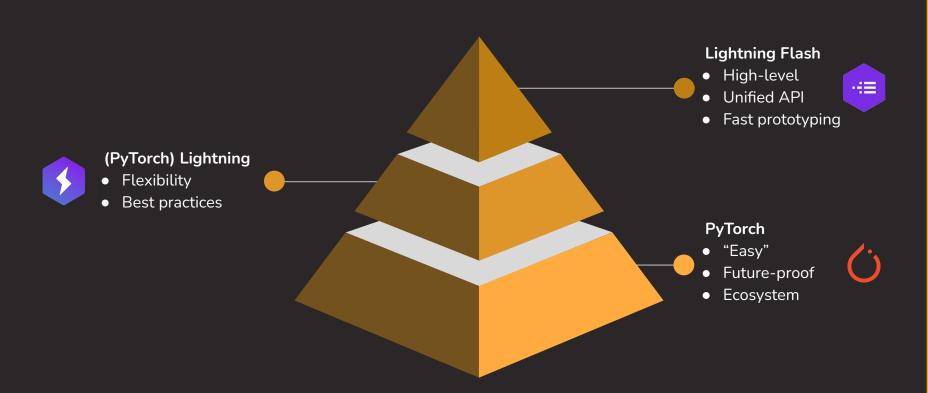


Let's get our hands dirty!

DATA - FIFTYONE



MODEL - PYTORCH LIGHTNING FLASH



DEPLOYMENT - PLAYTORCH

- Built on React Native
- Embed into existing apps
- Rapid iterations via PlayTorch app



SOURCE CODE

https://github.com/ligaz/pragmatic-machine-learning

https://snack.expo.dev/@ligaz/openfest-2022



Thank You!

