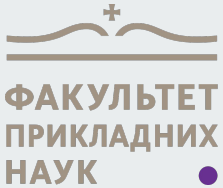
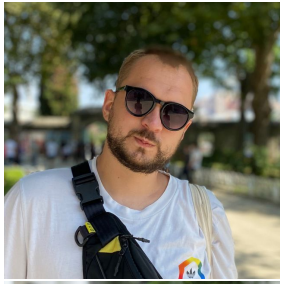
UCU Audio ML Course



Lecturers



Oles Dobosevych

- Acting Dean at Faculty of Applied Sciences of Ukrainian Catholic University
- ex-Head of The Machine Learning Lab
- Previously CTO in YC and TechStars backend companies

Volodymyr Sydorskyi

- R&D Lead at Respeecher
- Kaggle Competition Grandmaster
- ML Lead at Mantis Analytics
- Co-Founder / ML Advisor at Zvook
- Working on Phd: System Analysis + Computer Vision + Medical Imaging

Anton Bazdyrev

- ML Lead at Dun & Bradstreet
- Head of DS at Prog.AI
- Kaggle Expert
- Working on Phd: System Analysis + NLP + Reinforcement Learning

Lecturers

Yurii Vilnitskii

-

Taras Sereda

-

Course structure

- 4 Modules. 3 Lectures for each Module
  - Each Lecture contains Theory + Practical parts
- After each lecture Homework assignment. There will be HARD Deadlines for Homeworks
  - Google form with basic theory questions
  - Link Notebook with practical task to the final field of Google form
  - The Deadline is hard!!! Form will be closed. If you do not fit the deadline you will get zero for respective homework
  - One student can submit only one Google form
  - If you experience any problems - contact lectors directly
- As soon as we check homeworks, we will discuss results
  - We will outline correct/best answers
  - We will outline main mistakes
  - We will outline Best Notebook solution

Tools

- Communication in Telegram Channel
- It is the only presentation part. All other materials will be in form of Jupyter Notebooks. Available on: https://github.com/VSydorskyy/ucu_audio_processing_course
- Lectures in Teams
- Homework can be submitted through
    - GitHub
    - Kaggle Notebook
    - Google Colab

Evaluation and Outcome

- Main outcomes are
  - Make you interested in Audio and Research
  - Give you new knowledge
  - Build community
- Homework will be evaluated
  - Table: https://docs.google.com/spreadsheets/d/1dKT630JzzMx6NnvZibFD9JBAFH4z5dPToQiAOd5E7vE/edit?usp=sharing
  - You can get additional points from
    - Participating in Audio/Signal Kaggle (and other platforms) competitions. Discuss with lecturers competition in advance
    - Completing “Hard” TODOs
    - Contributing to Lecture materials