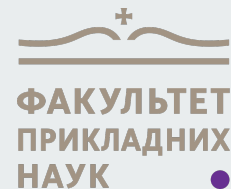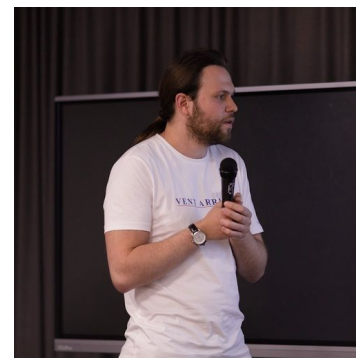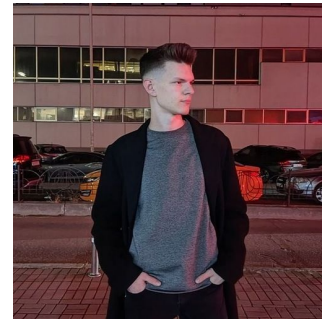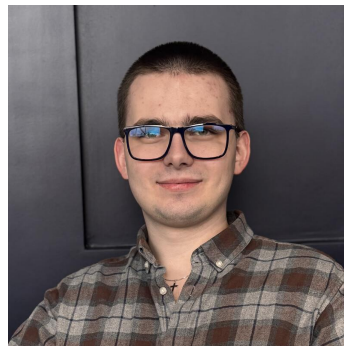# Audio ML Course

Lecturers

Course structure and Rules

- 5 Modules:
  - 2-4 Lectures per module.
  - One BIGGGG Practical task per module (except for 1st one).
- Each assignment:
  - Google form with basic theory questions. **Take into account that additional theory questions might be asked while defense process and your answer will influence theoretical part of grading**
  - The final field of Google form is for a link to the practical notebook submission.
  - The deadline is HARD!!! If you do not fit the deadline, you will get minimal score for the respective homework in case of "ideal" results.
  - Maximum score = 18, minimum = 11.
    - You can get score even lower than min but you can re-do assignment to get minimum score
  - One student (group of students) can submit only one Google form.
  - If you experience any problems, contact lectors directly.
  - Defence of each assignment will be on practices.
  - In order to pass the course you do not have to pass all assignments but get at least 60 scores in sum. **BUT IT IS HIGHLY RECOMMENDED TO PASS ALL ASSIGNMENTS**

Course structure and Rules

- As soon as we check homeworks, we will discuss and outline results:
    - Correct/best answers.
    - Main mistakes.
    - The best practical (notebook) solution.
- Course Project:
    - Maximum grade - 28, minimum - 16
    - Pick a task on appropriate (audio-related) topic and **confirm with Volodymyr! Good example is to take audio related Kaggle Competition**
    - We will pick deadline for it a bit later.
    - Can be done in group for up to 5 students.
- Groups:
    - **It is highly recommended to merge into groups! But contribution of each team member will be evaluated while defense process**

Tools

- Communication in Slack. **Slack will erase messages after 3 months. Make sure to dump long term information elsewhere.**
- It is the only presentation. All other materials will be in form of Jupyter Notebooks. All the materials are available on: https://github.com/VSydorskyy/ucu_audio_processing_course .
- Lectures in Zoom.
- Homework can be submitted through:
    - GitHub;
    - Kaggle Notebook;
    - Google Colab.

Evaluation and Outcome

- The main outcomes are:
    - Make you interested in Audio and Research.
    - Give you a new knowledge.
    - Build a community.
- Homework will be evaluated:
    - Table:
      https://docs.google.com/spreadsheets/d/1BEKcfdIdQ1YwFRdOctjeBF-G54ZfpylApwTRbwb9o3k/edit?usp=sharing
    - You can get additional points by:
        - Participating in Audio/Signal-related Kaggle (and other platforms) competitions. BUT discuss your participation in any competition with lecturers in advance.
        - Completing "Hard" TODOs.
        - Contributing to lecture materials.

Zoom Link

https://us02web.zoom.us/j/82340979016?pwd=Tjaeg3kuvpbVmx4sRksu9IX1ZAJEqu.1

Meeting ID: 823 4097 9016

Passcode: 421065