## 8. Paper implementation + Industry tips

Computational Music Creativity



Group

## What's ahead

- 1. Paper implementation (80')
- 2. Industry tips + wrap up (40')

## Liquiprism

- 1. 1 team explains paper (20)
- 2. V's method to implement a paper (10)
- 3. 2-3x teams code show and tell (50)

#### 1. Study paper

- a. Abstract + intro + conclusion + tables + figures
- b. Skim through body
- c. Deep reading of full text (repeat as necessary) -> take <u>notes</u>

#### Study paper

- a. Abstract + intro + conclusion + tables + figures
- b. Skim through body
- c. Deep reading of full text (repeat as necessary) -> take notes

- a. Explain how the system works
- b. Give presentation to a friend

#### Study paper

- a. Abstract + intro + conclusion + tables + figures
- b. Skim through body
- c. Deep reading of full text (repeat as necessary) -> take notes

- a. Explain how the system works
- b. Give presentation to a friend
- 3. Discuss with colleague / ChatGPT

#### 1. Study paper

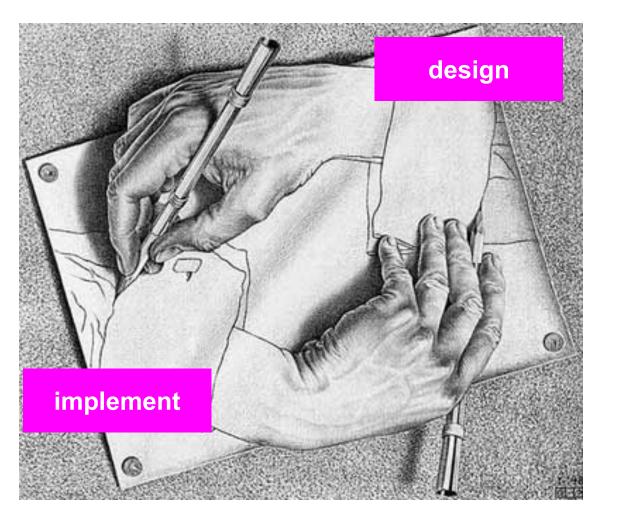
- a. Abstract + intro + conclusion + tables + figures
- b. Skim through body
- c. Deep reading of full text (repeat as necessary) -> take notes

- a. Explain how the system works
- b. Give presentation to a friend
- 3. Discuss with colleague / ChatGPT
- 4. <u>Design solution</u> starting from presentation + notes

#### 1. Study paper

- a. Abstract + intro + conclusion + tables + figures
- b. Skim through body
- c. Deep reading of full text (repeat as necessary) -> take notes

- a. Explain how the system works
- b. Give presentation to a friend
- 3. Discuss with colleague / ChatGPT
- 4. Design solution starting from presentation + notes
- 5. Implement



# What job you'd like to get once you graduate?



Research

- Engineering
- Soft skills

Research

- Engineering
- Soft skills

Research

- Engineering
- Soft skills

## What I look for: Soft skills

- Problem solver (hacker)
- Fast learner
- Independent
- Resourceful
- Project management
- Communicator

## What I look for: Engineering

- Kickass software engineer
- Clean coder + testing
- Foundations of DevOps + MLOps

### What I look for: Research

- Implements papers
- Knows how to go the extra mile
- Knows when to stop



## How the heck do I show you my skills?

## How the heck do I show you my skills?

- Portfolio projects
  - Not toy -> real-world
  - End to end
  - Rich GitHub page

## How the heck do I show you my skills?

- Portfolio projects
  - Not toy -> real-world
  - End to end
  - Rich GitHub page
- Project expertise
  - Blogs
  - Videos
  - LinkedIn



## The most effective thing you can do?

The most effective thing you can do?

# Find a mentor

## Final project

- Up to 3 people per group
- Deliverables
  - Code
  - 2-minute system screencap
  - 5-minute video presentation

## Final project

- Up to 3 people per group
- Deliverables
  - Code
  - 2-minute system screencap
  - 5-minute video presentation
- Evaluation criteria:
  - Soundness of the implementation
  - Cleanliness of the implementation (e.g., clean code)
  - Degree of innovation in the system
  - Clarity of the presentation
  - Quality of the creative output



## Ask Me Anything

- Videos
- Job
- Industry
- Personal experience
- Financial advice (maybe not)
- Research
- Techniques
- Opinions
- ..

