

## **MacAI Meeting** – February 23, 2025

### **Workshop Feedback**

Issue with the Hatch room bookings, bad turnout, not so many people.

Mostly listening, only three people so don't know how engaging.

A lot more in depth with the slides, try really break down topics

Aiden and Connor → Dry Run (demo) before every workshop.

Workshop devs present, they give feedback

**March 3<sup>rd</sup> – 4<sup>th</sup>** – Intro to CNN workshop (this isn't confirmed) most likely happen

Emphasize on slides and topics → Roles later.

Use old template and build upon that to make it more in depth → different demo

Decide on the roles

Slides → George (good with anything else), Tamilla, Vraj

Presenting Slides: TBD

Demo → Kirit, Jasraj, Japneet

Presenting Demo: TBD

**March 12<sup>th</sup>** – Exoskeleton collab workshop. 7-9pm (40 people)

Make sure who's doing the demo, making slides and presenting (in charge of template for jupyter)

**Notes that I took with the meeting I had (very vague):**

Exoskeleton workshop: Week of March 10th --> March 12th Wednesday night (7:00 - 9:00, wont last that much):

How we collected data using IMUs and used machine learning to predict gait (walking patterns)

Contribute the thought process --> code, live workthrough thorough real world problem

Training own model

LSTM --> using this model, explain this topic and allat, and talk about it and example a team at Mac and using the application and this is code, this is data, put that into a notebook and send it around --> Recurrent Nueral Network (focus on this more) in general and specific application,

Walking them through how they did it, have sensors and record data and share it live. (good idea) and present challenges that they faced

Slides (Recurrent Nueral Network --> Applications LSTM --> Gathering data (show physical prototypes and potentially get it) and show the model inferencing vs the model --> and then progrma it yourself providing the dataset (interactive part) --> throwing a ball and code specific use case

Provide a file instead of online, and give a little bit of template (using pytorch)

Provide data --> we provide the jupyter notebook --> handle bulk of the slide and they can handle room bookings, post on social media

Our team can handle the slides portion (for MacAI --> 3 max members and handling the template for the Jupyter Notebook) --> Exoskeleton will do the handling data

Dataset may or may not be live --> just give it

(Successful training of a model --> 6 joint angles of body and look at that and predicts next future angle of the joint)

**Week of March 24<sup>th</sup>** – Generative AI/Chatbot focused → demo focused → slides to be more in depth

**Week of March 31<sup>st</sup>** → TBD

Incorporate feedback

**Deeper within the topic** (more in depth in with slides), **more slower in code** (breaking down actually what the code does, and then typing it)

