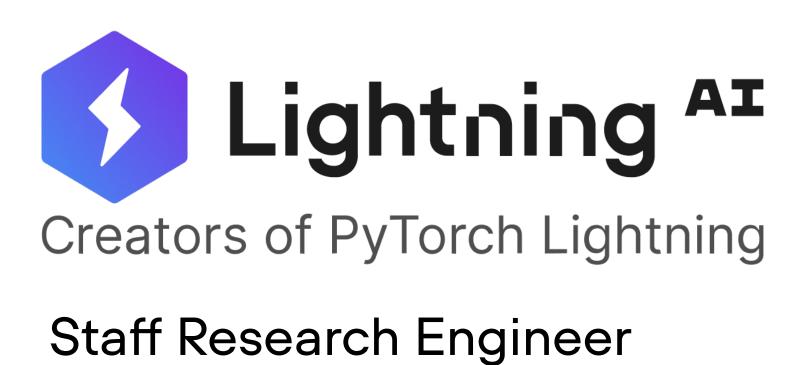




Sebastian Raschka

https://sebastianraschka.com



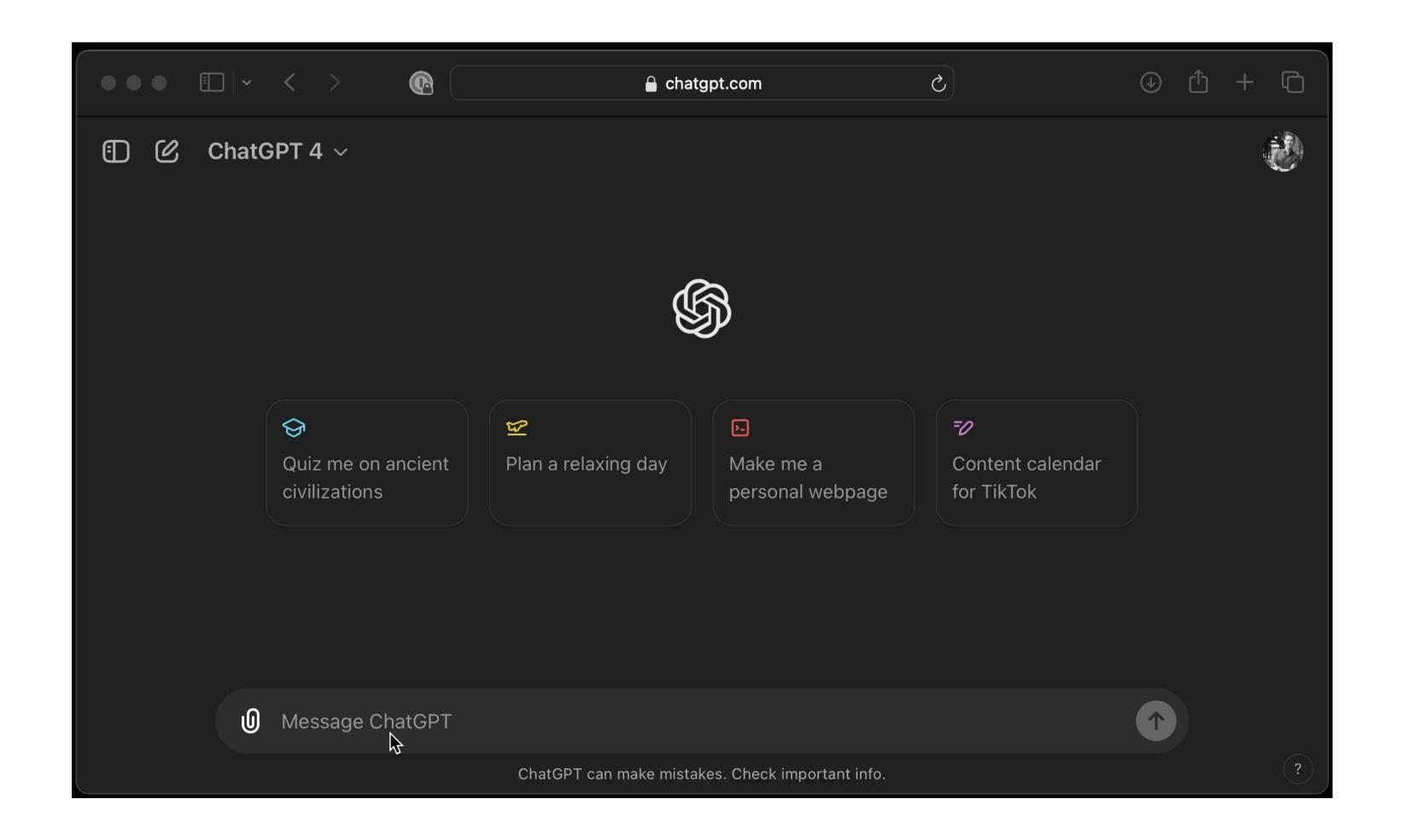


Previously Asst. Prof. of Statistics

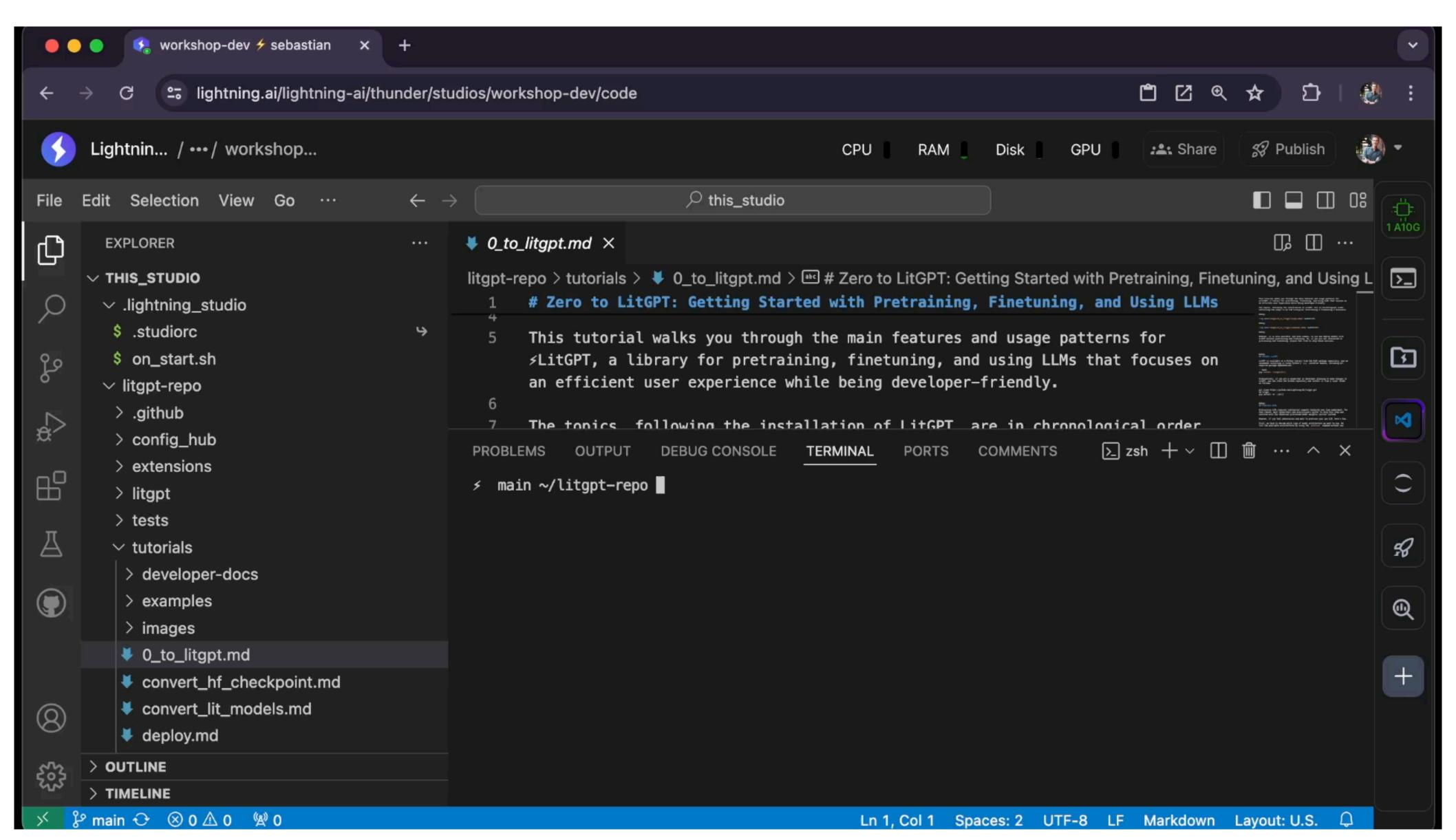
	Workshop topics
1	Introduction to LLMs
2	Understanding LLM input data
3	Coding an LLM architecture
4	Pretraining LLMs
5	Loading pretrained weights
6	Finetuning LLMs

## Introduction to Large Language Models (LLMs)

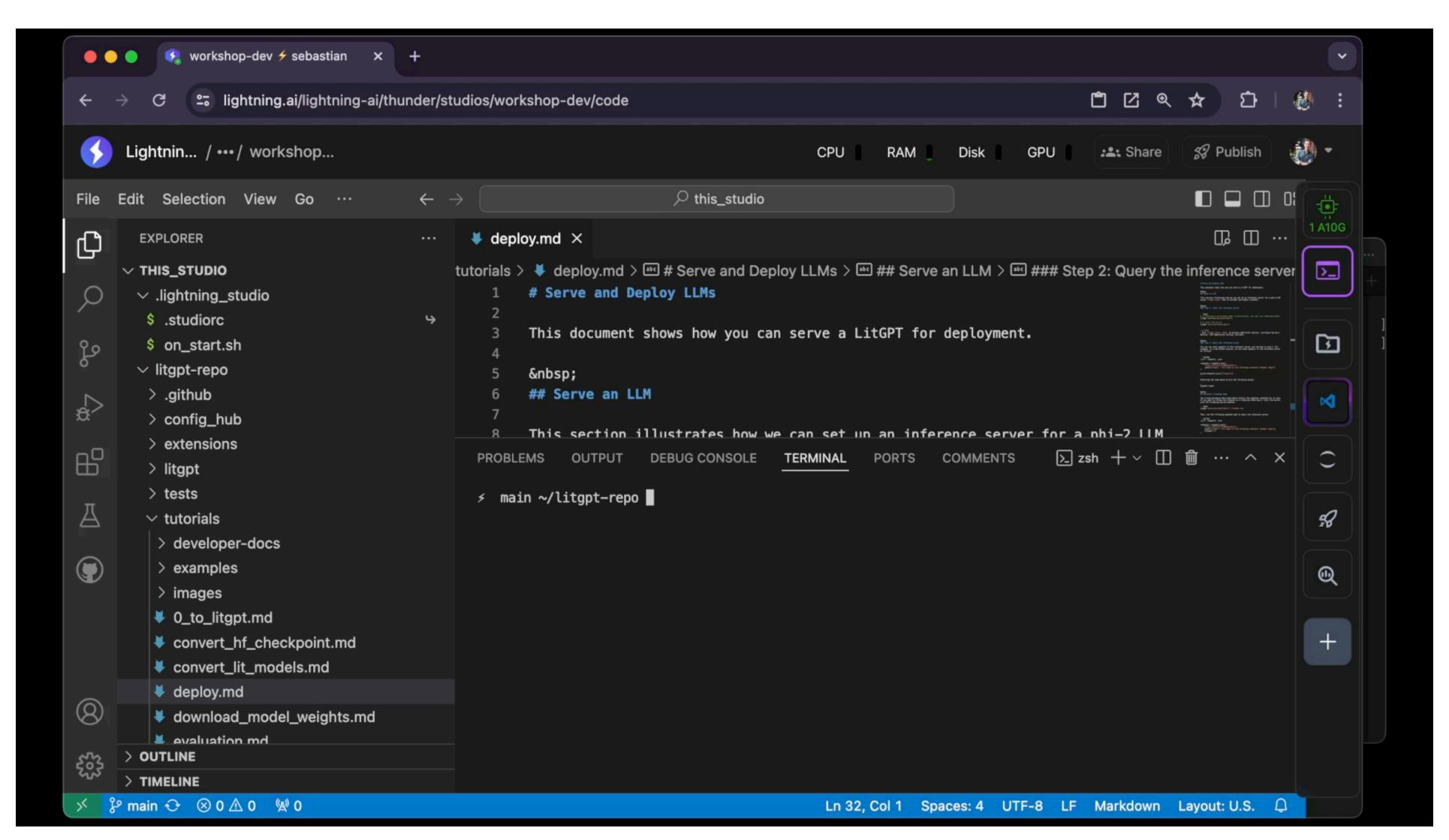
## 1) Via public & proprietary services



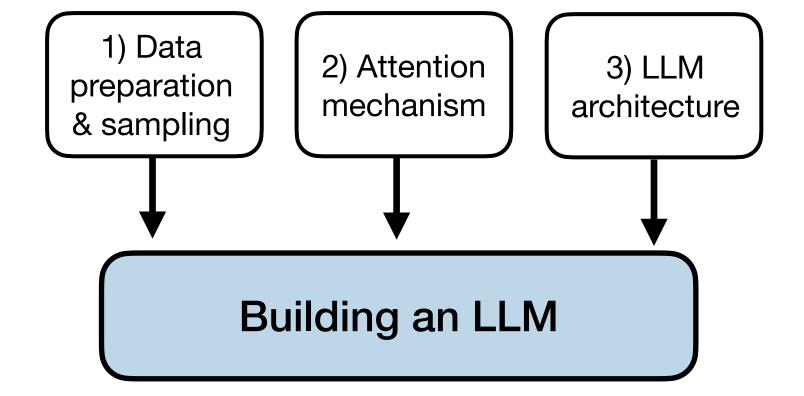
#### 2) Running a (custom) LLM locally

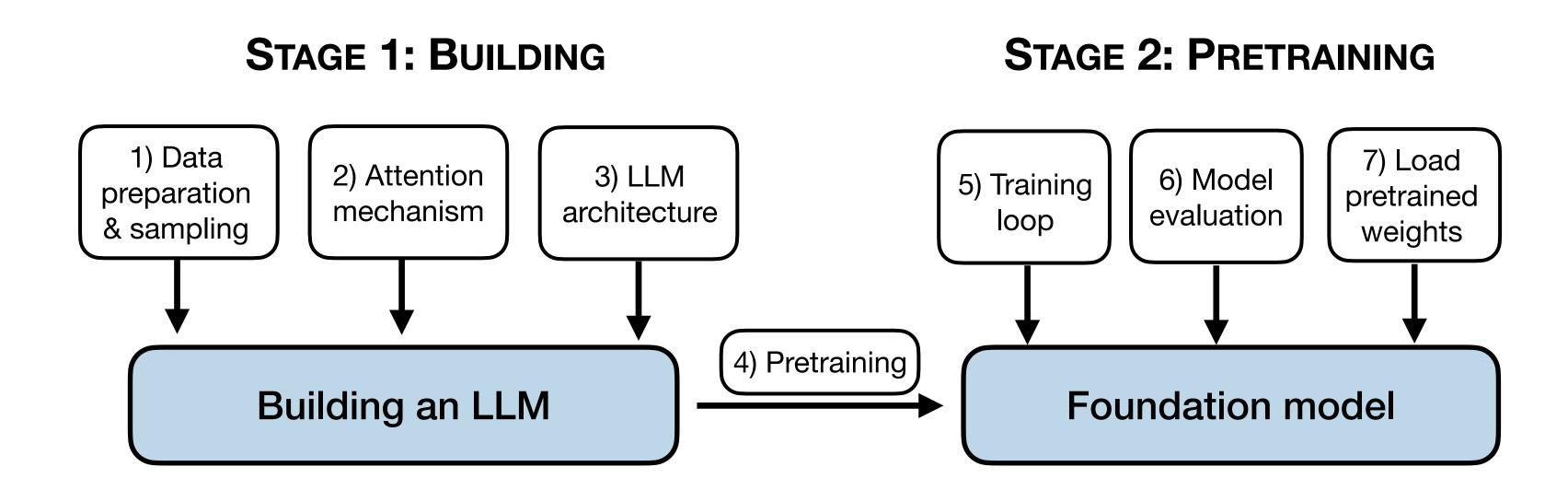


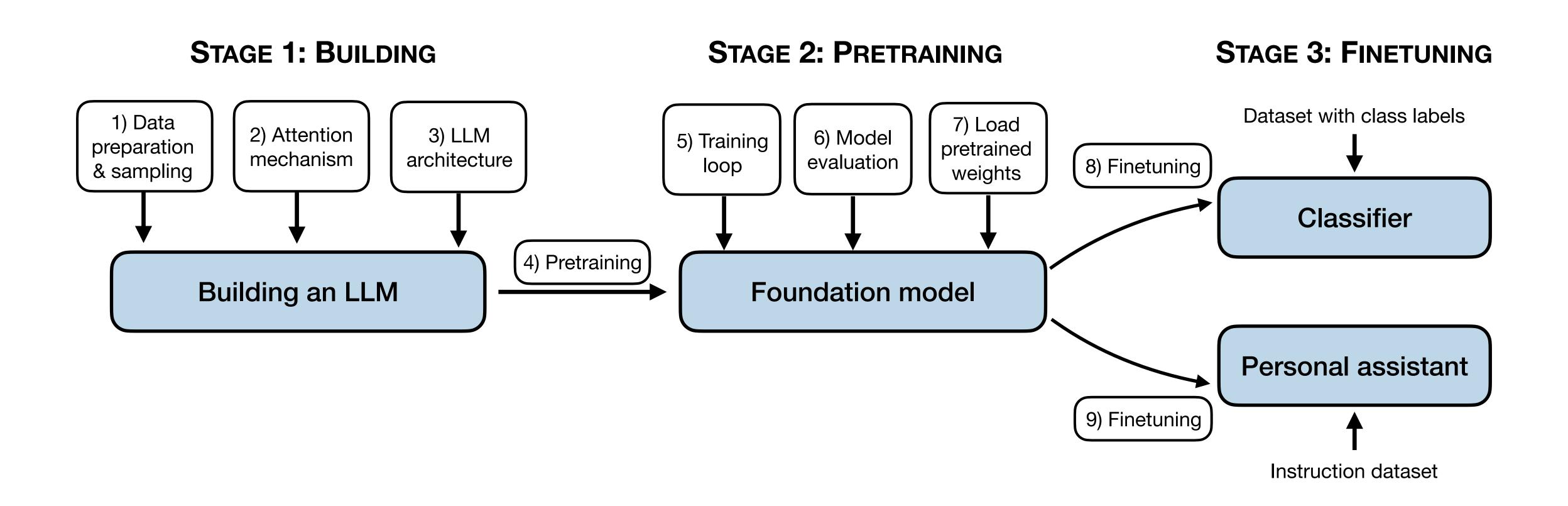
#### 3) Running a (custom) LLM locally

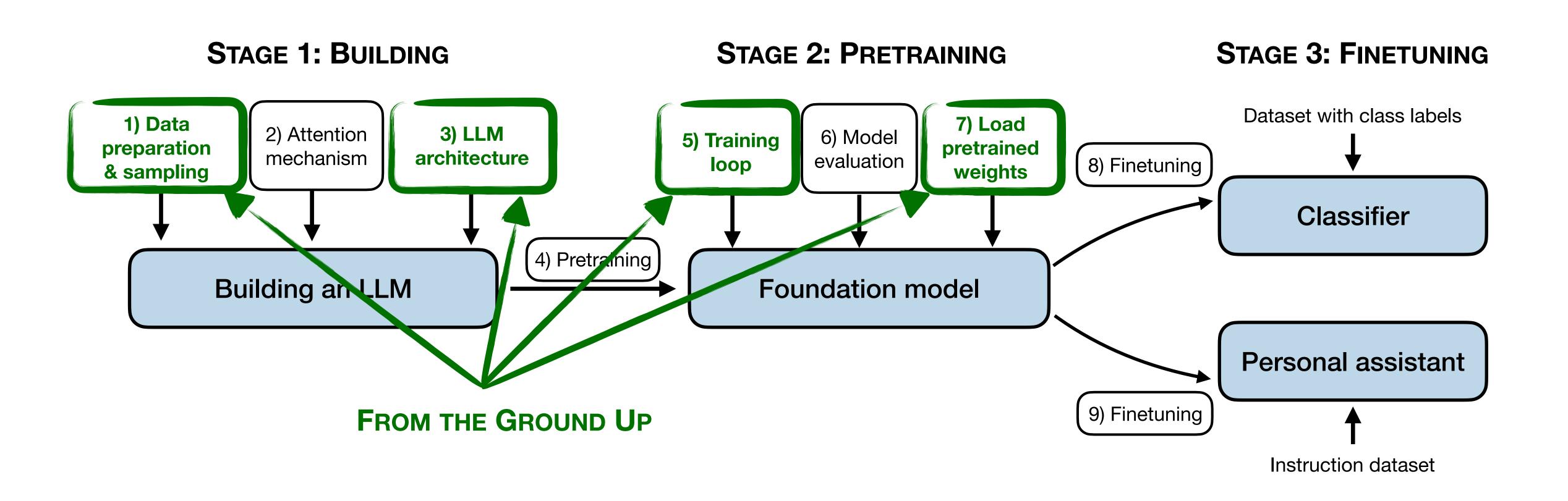


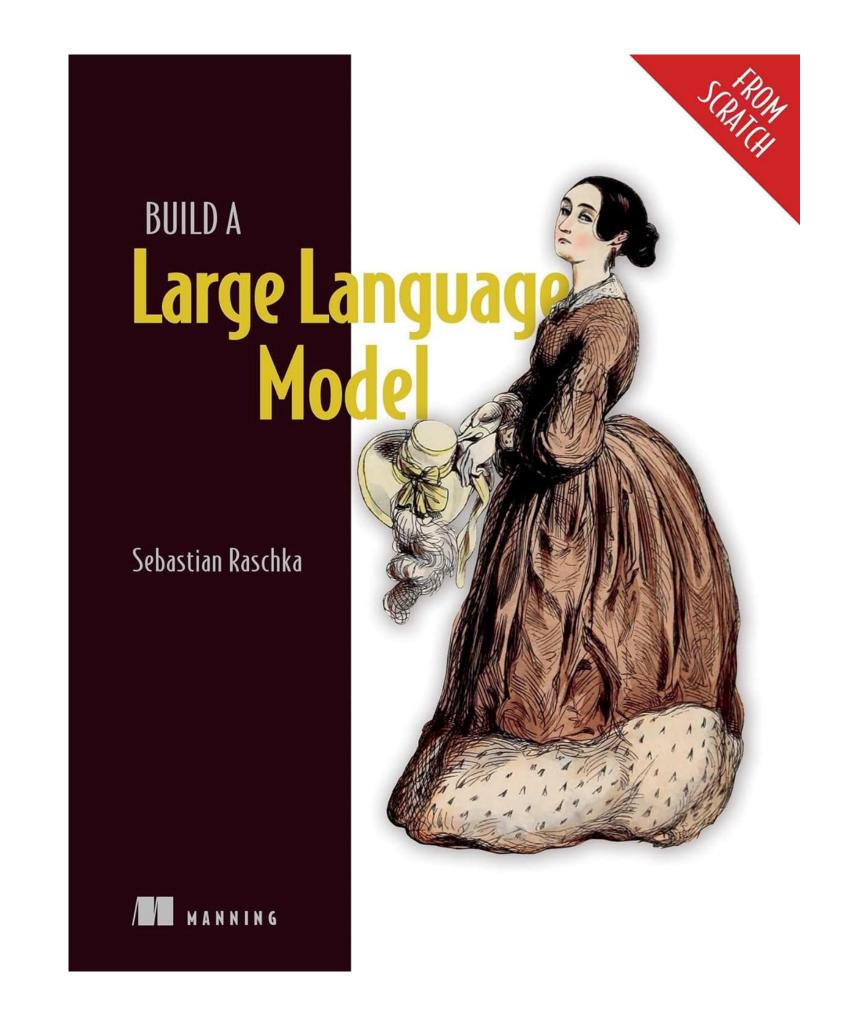
#### STAGE 1: BUILDING







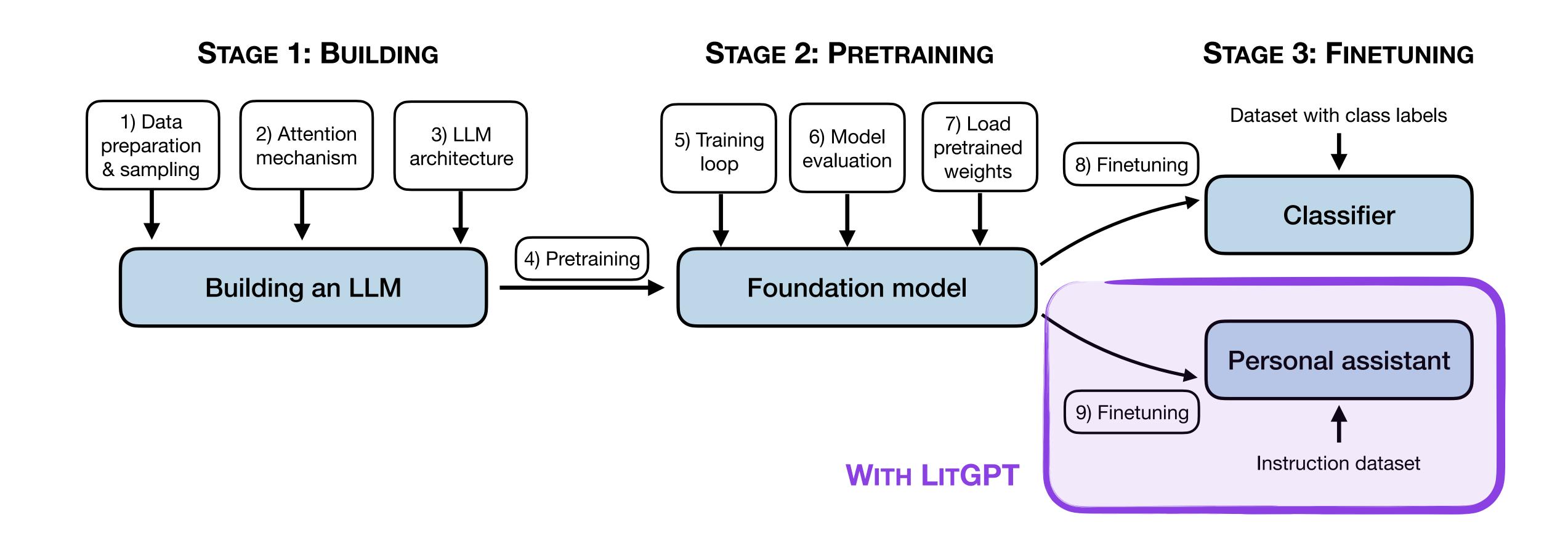


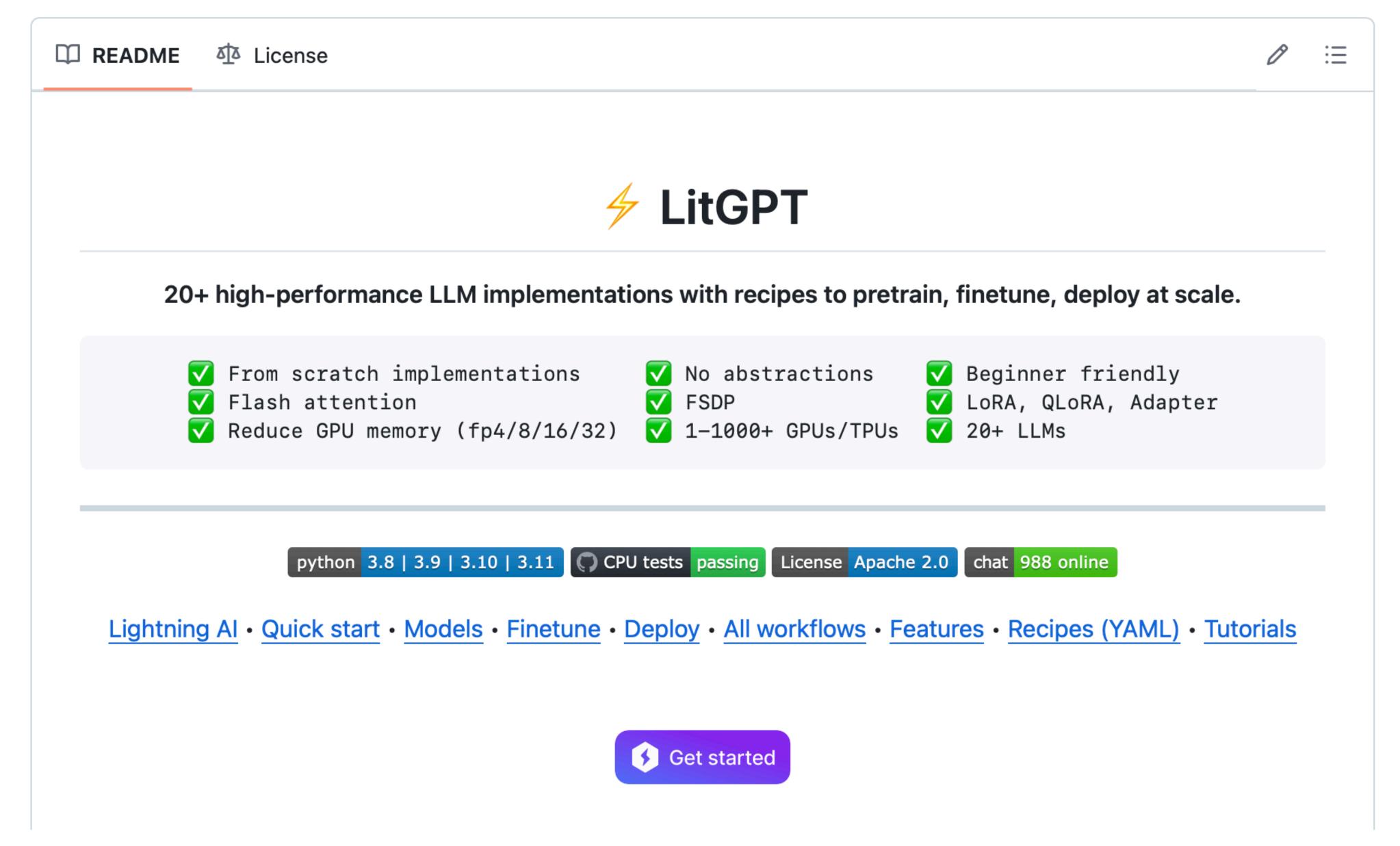


https://mng.bz/lrp2

https://github.com/rasbt/LLMs-from-scratch

(Source for most figures and code)





#### https://github.com/Lightning-Al/litgpt

## Links

## Lightning Studio:

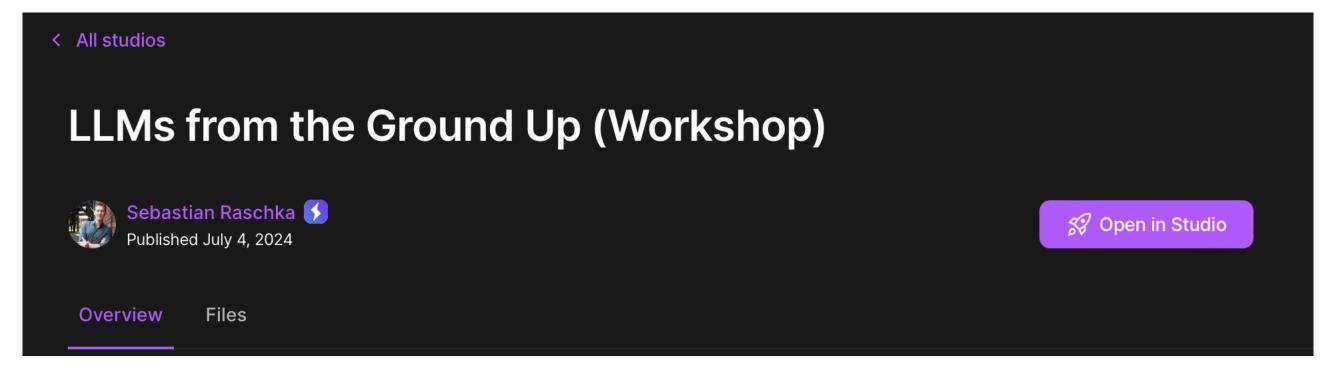
https://lightning.ai/lightning-ai/studios/llms-from-the-ground-up-workshop

#### GitHub:

https://github.com/rasbt/LLM-workshop-2024

## Setup instructions

#### Lightning Studio (recommended)



#### Local: LLM-workshop-2024/setup/

