

https://sebastianraschka.com



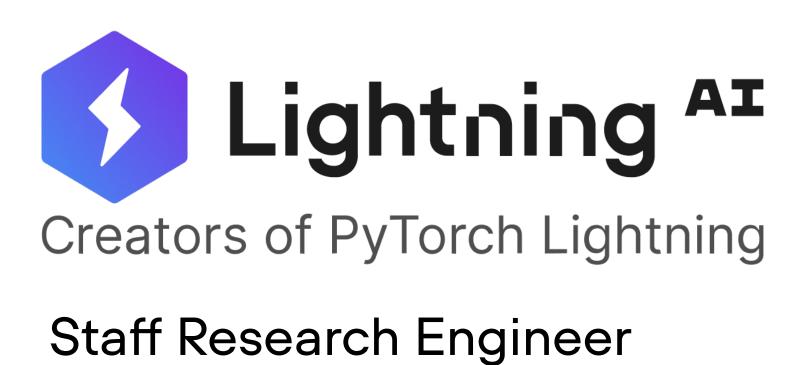
SciPy 2024

Tacoma Convention Center | Tacoma, WA July 8-14, 2024



Sebastian Raschka

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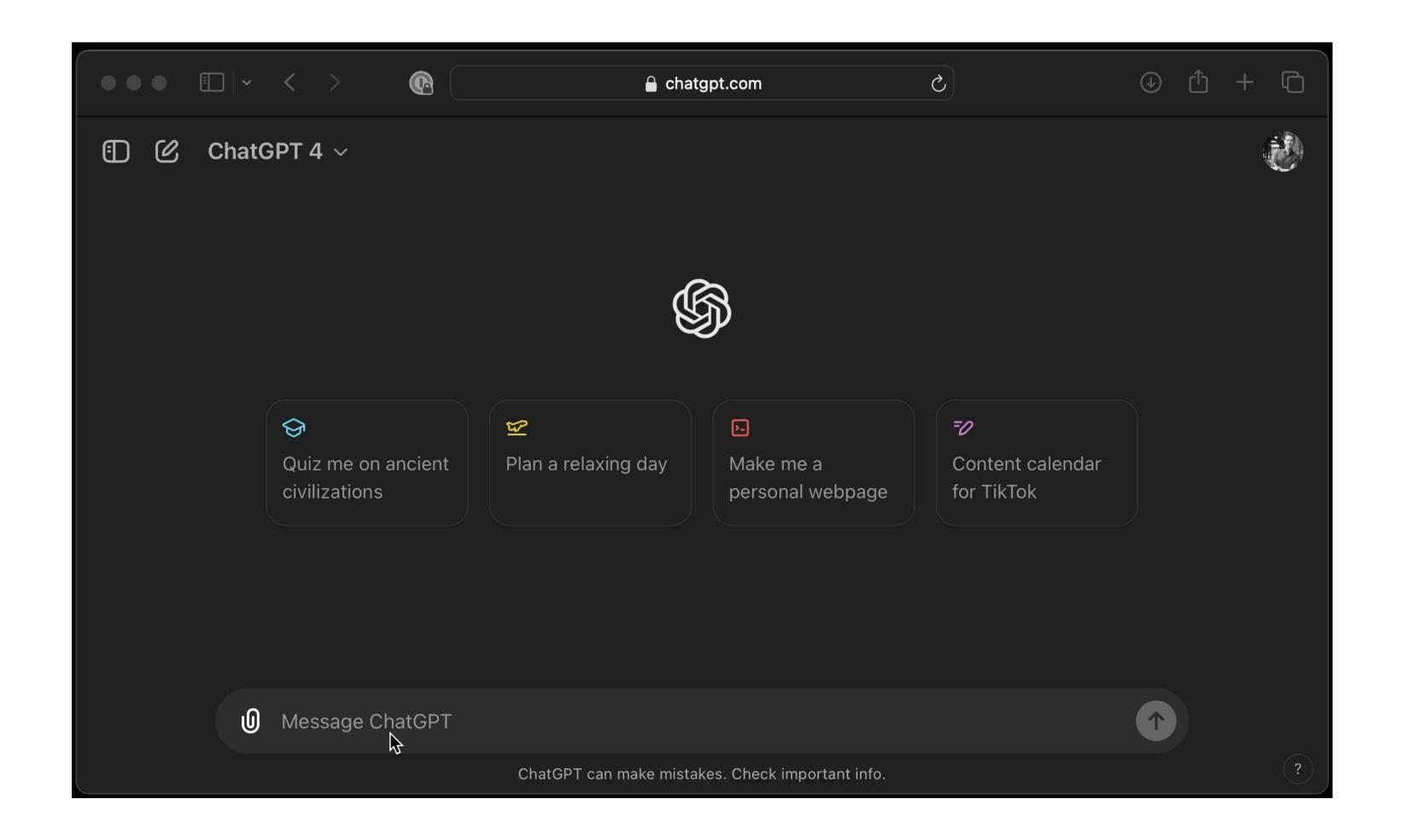


Previously Asst. Prof. of Statistics

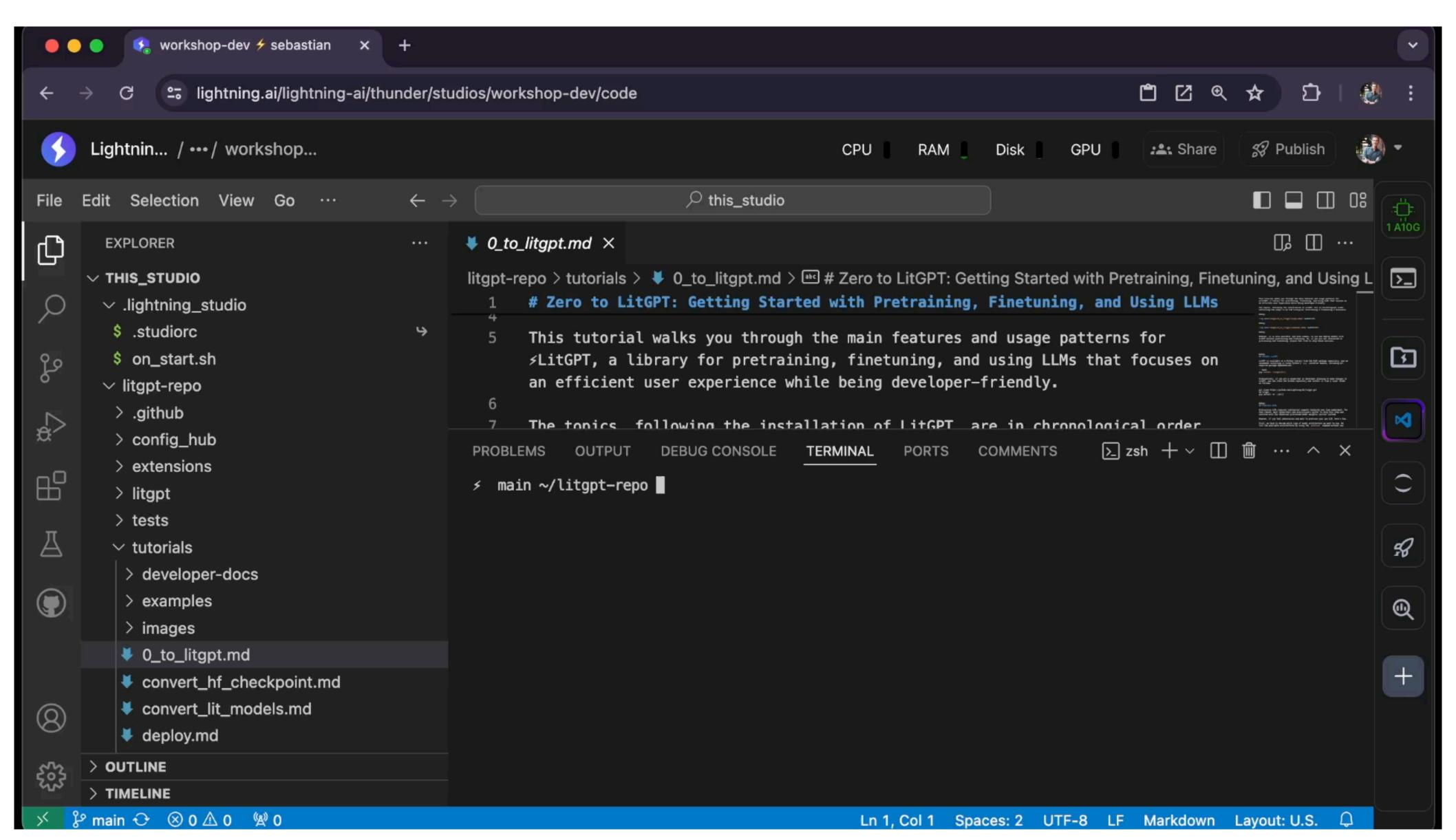
	Workshop topics
1	Introduction to LLMs
2	Understanding LLM input data
3	Coding an LLM architecture
4	Pretraining LLMs
5	Loading pretrained weights
6	Finetuning LLMs

Introduction to Large Language Models (LLMs)

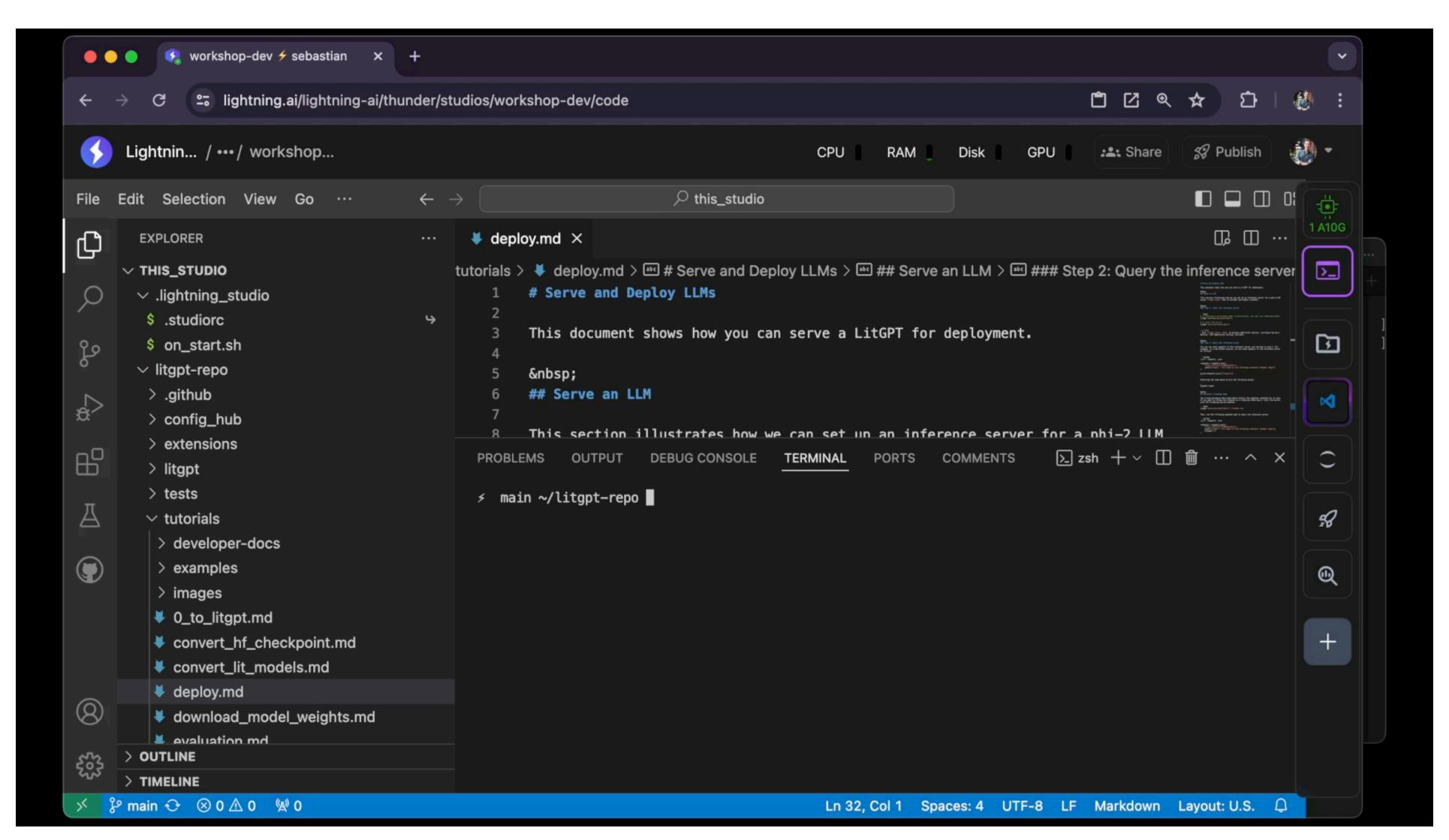
1) Via public & proprietary services



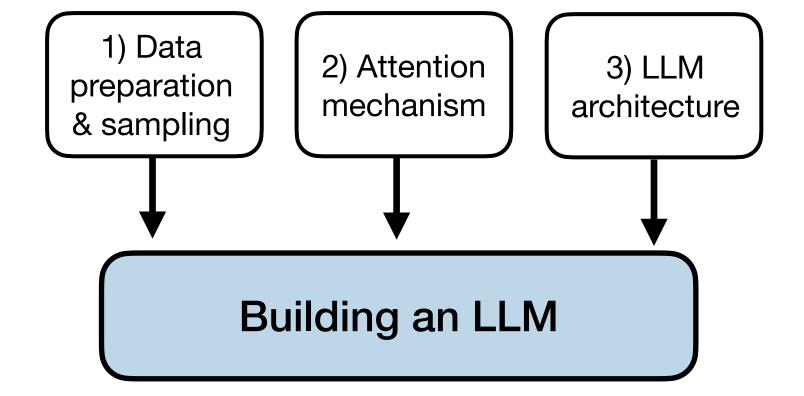
2) Running a (custom) LLM locally

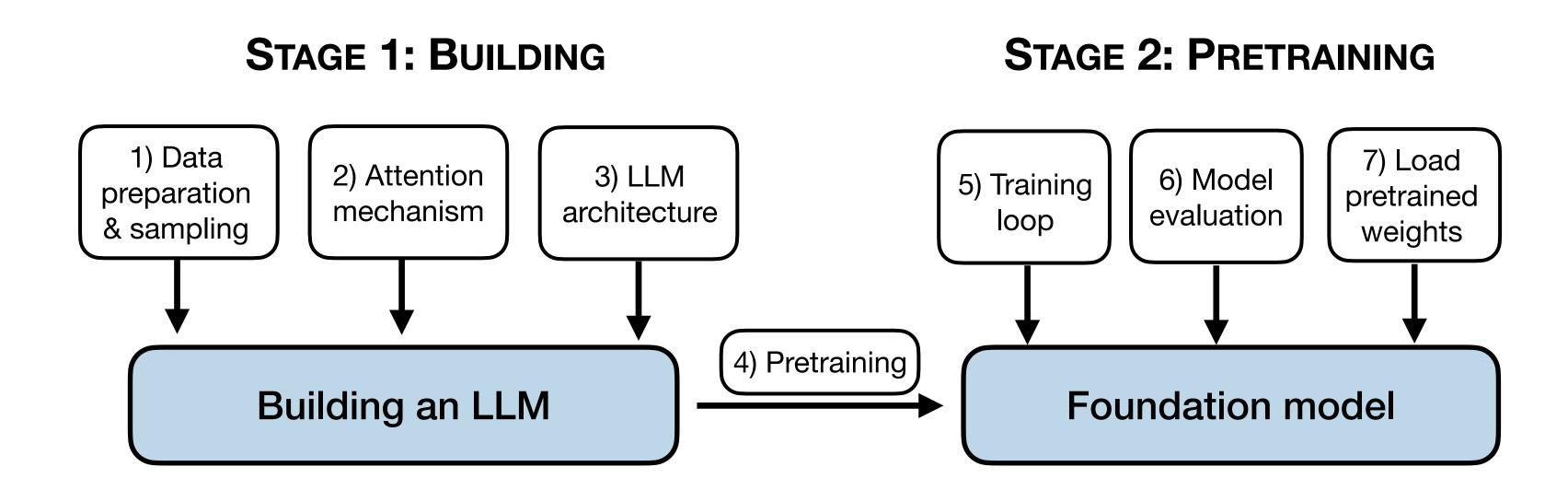


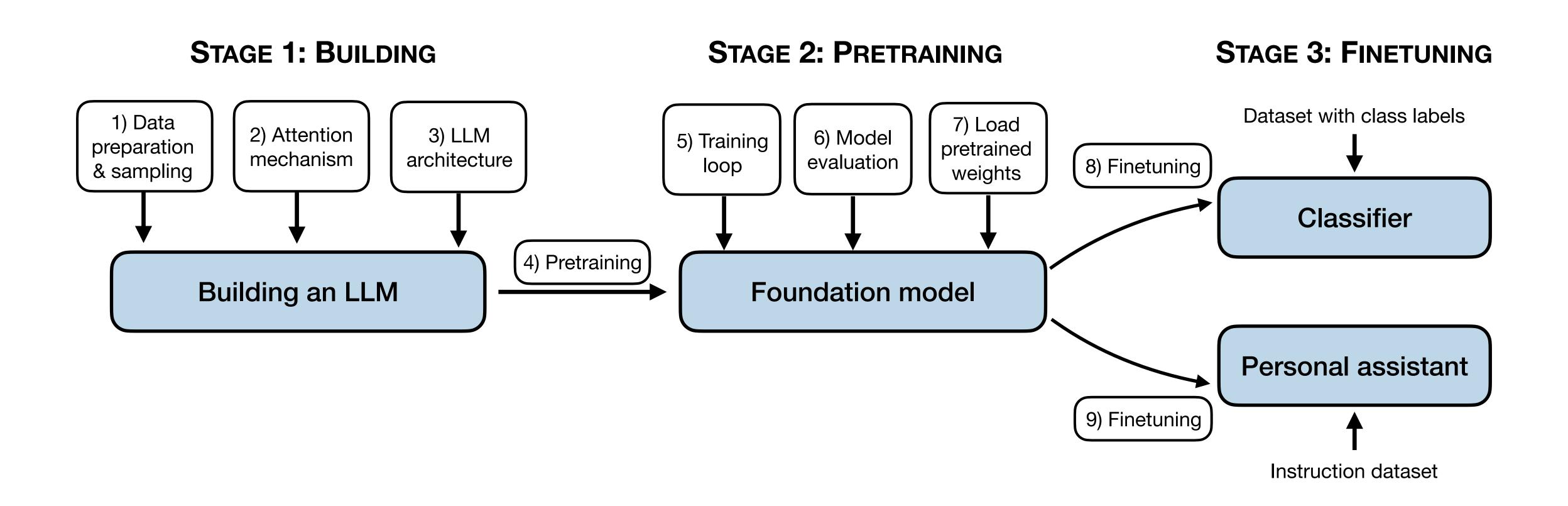
3) Running a (custom) LLM locally

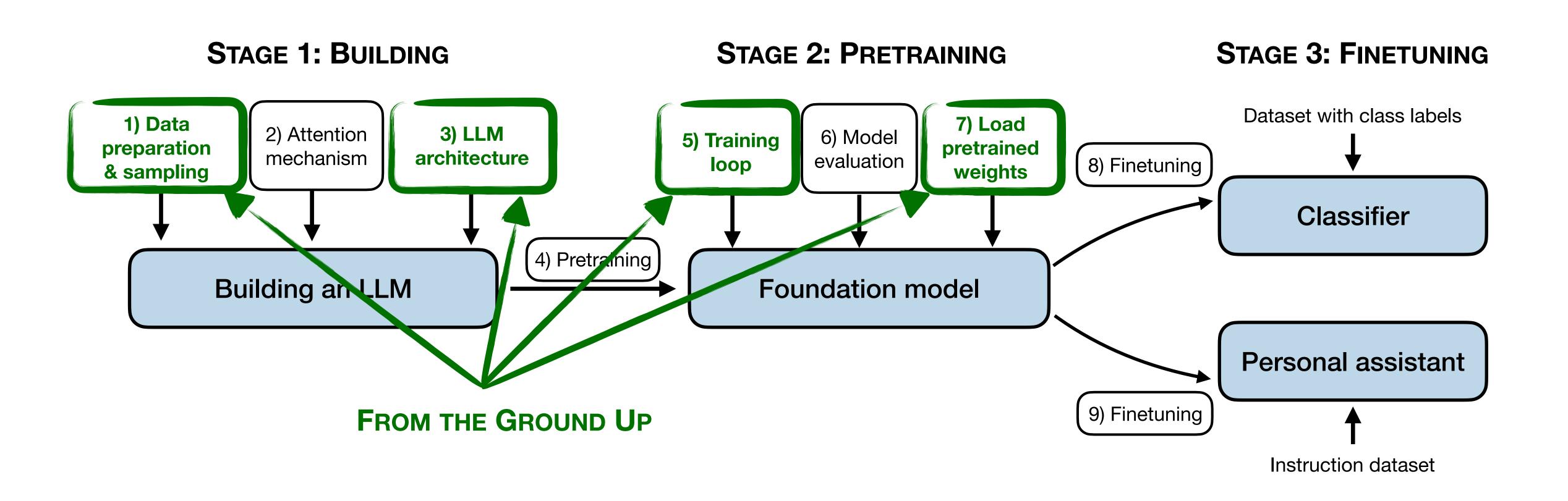


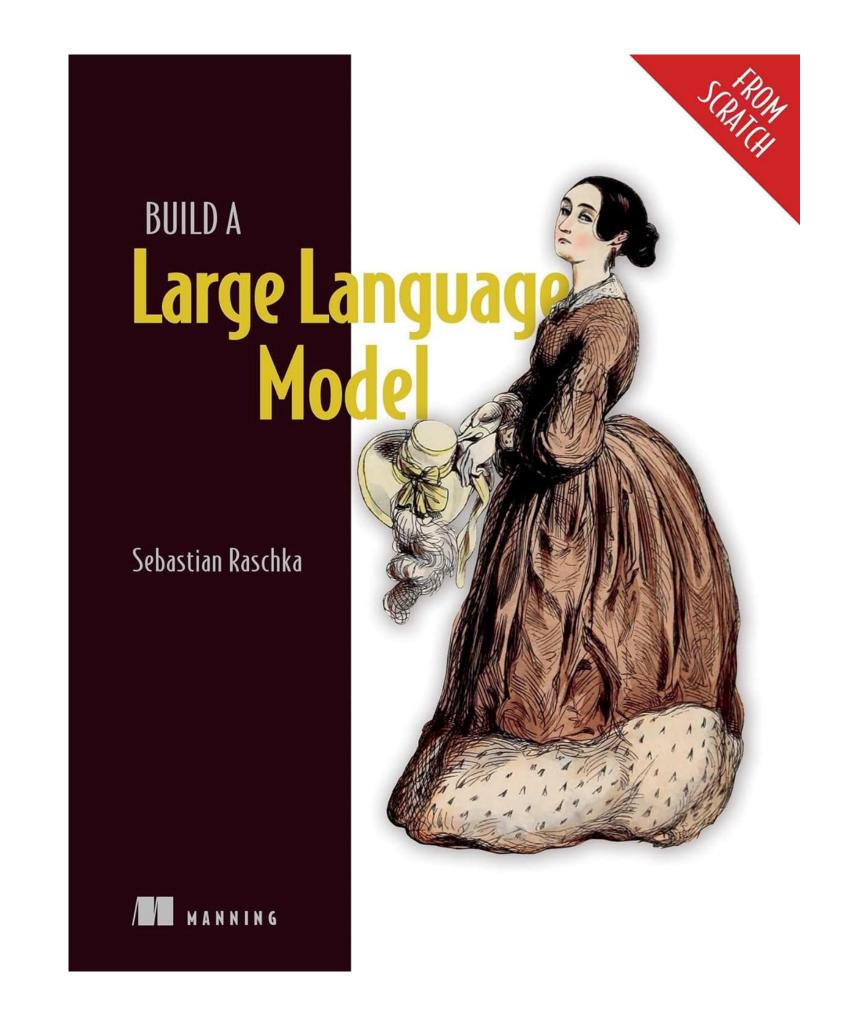
STAGE 1: BUILDING







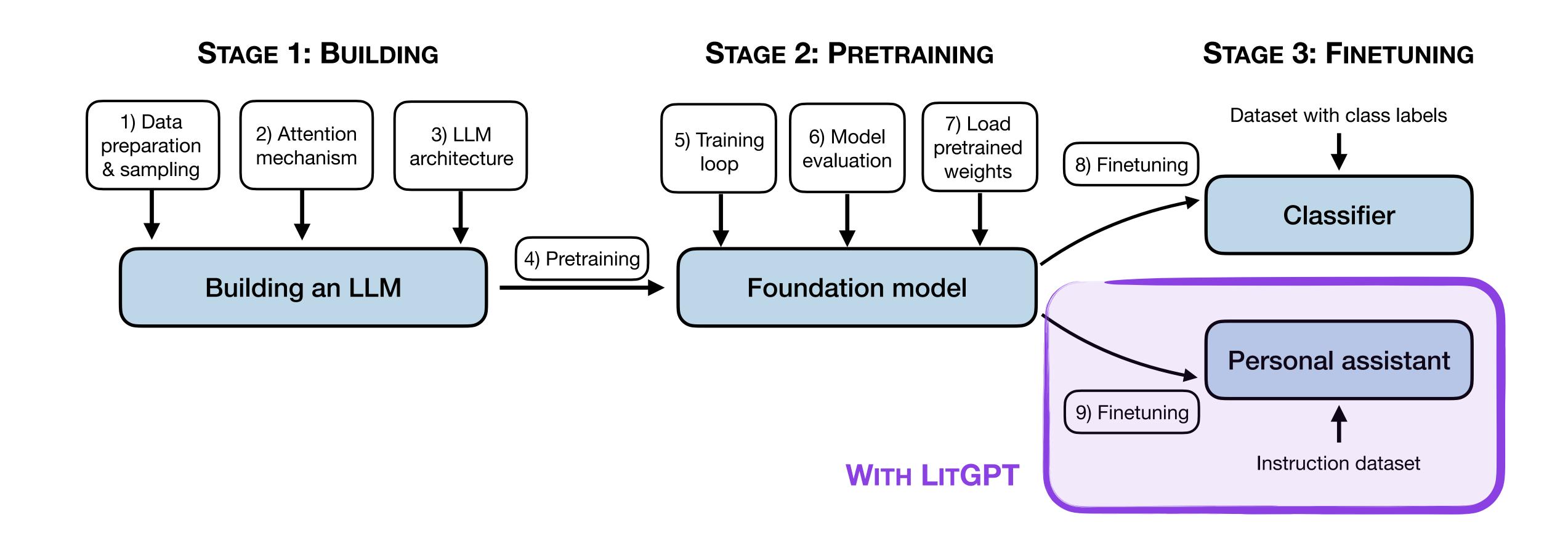


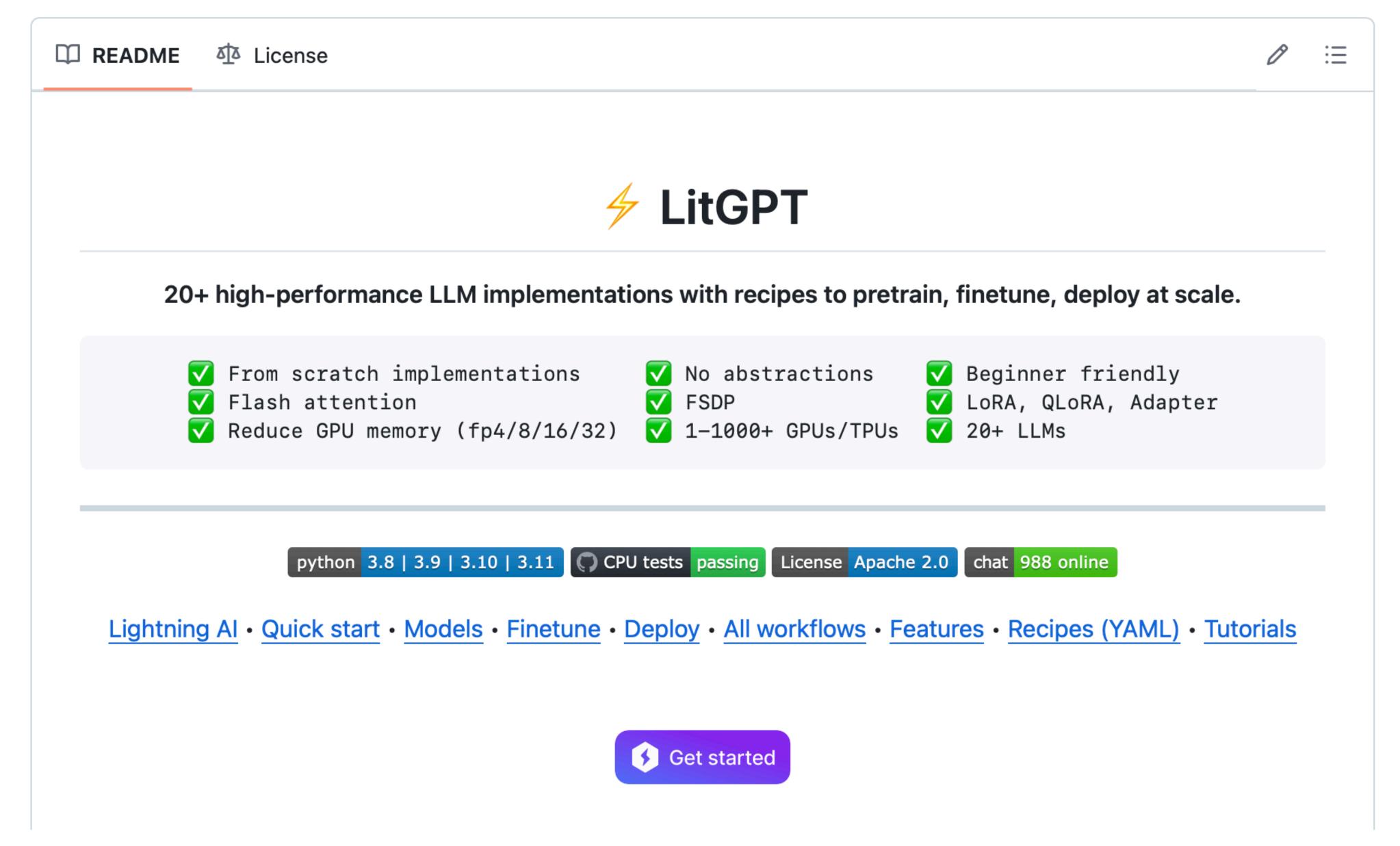


https://mng.bz/lrp2

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

(Source for most figures and code)





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

Links

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

Lightning Studio:

Setup instructions

Lightning Studio (recommended):

Local: LLM-workshop-2024/setup/