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Assignment: Paper 2 Intro

In the Agile vs Waterfall way of building a software product, the Waterfall method follows the conventional Software Development Life Cycle (SDLC) approach where, testing the product and modules of code is a “phase” by itself, whereas following the Agile Manifesto includes testing and critically looking at the written code frequently, not long after it is written, thus working with the mindset of writing and testing code together in the same “phase”.

By exploiting the property of co-location with features such as Pair programming and daily stand-up meetings to make sure everyone is on the same page and working with the Agile software development mindset, a team working on a creating product while keeping the ethical considerations in mind can go a long way.

In retrospect, had Google had followed the Agile Manifesto strictly, Timnit Gebru and Margaret Mitchell would probably not have been terminated at all, owing to the ethical considerations that a diverse group of people would have raised while in the coding stages of product development, thus revising and fine-tuning the foundational structure of an idea, rather than struggling to fix the drawbacks in the testing phase.

In my final draft, I plan to come up with such a set of principles, each backed with its own logical set of reasons, aiding a software development team to create an LLM while considering the issues of bias, and including checks and reforms to enable the creation of AI whose exploitation to create things like deep-fakes would be a formidable challenge.