***Why Google****:* ***leader*** *in cutting edge research and implementation of* ***innovative ideas*** *- Tensorflow, Keras for DL, Word2Vec for embeddings, BERT for contextual embeddings, Text-To-Text-Transfer-Transformers (T5);* ***resonates very well w/me*** *as I am researcher and implementer myself, my focus is on meaning representation and knowledge engineering for DL (****PhD****)*

We ask **open-ended questions** *to* *learn how you solve problems*. We want to *understand how your mind works*, how you *interact with a team*, and what your strengths are.

In an interview, demonstrating the values listed below may be AS IMPORTANT AS getting a solution (me). The interviewer may be evaluating you as **a future team member**.

**Key values** to demonstrate in an interview:

* Demonstrate **communication** and collaboration (Explain, talk through solution before coding)
* We encourage to **ask for clarifications** of open-ended questions! Identify **assumptions**, talk out loud, explain your thinking before coding!
* We expect you to talk about how to **improve** your solution!
* Run **test cases**, **edge cases**
* Data structures: arrays, sets, maps, stacks, queues, binary trees, graphs, linked lists, heaps,
* Algos: sort, search (+binary), BFS & DFS in graphs, recursion, DP & memoization, divide and conquer (merge sort), greedy algo (best current option, not necessarily optimal, e.g. selection sort, knapsack)
* DON’T UNDERESTIMATE YOURSELF – YOU CAN DO IT!

**Google Values**

1. Be yourself
2. General cognitive ability: we want to hire smart people who can **learn and adapt** to new real-life situations (not GPA);
3. Role related knowledge: **experience, background, and skills** that will ensure the success in your role;
4. Leadership and Communication: step into **leadership roles** and contribute, examples of things like being a **team player**, **navigating challenges** to make it even better;
5. *Googliness - comfort with* ***ambiguity****, bias for* ***action****, and the* ***collaborative*** *nature*

**Focus on you:**

* What is **something you learned** that made everything that came after easier?
* Have more of your achievements come as a result of solitary effort or **teamwork**?
* What do you enjoy more, **solving problems** or pushing the discussion forward?
* What is the **most rewarding job** you've ever had? Why?
* Describe the **best team** you ever worked with. What made that experience stand out?

At least one SWE in the video recommended refreshing this: [Tech Dev Guide (Grow your technical skills with Google)](https://techdevguide.withgoogle.com/?_ga=2.35307873.1309257466.1654537004-48094709.1646975283) - <https://techdevguide.withgoogle.com/?_ga=2.35307873.1309257466.1654537004-48094709.1646975283>

Google products:

* Fundamental: Search and Gmail
* Everyday: Android, Pixel, Chrome, Chromecast, Youtube (+YT Kids, YT TV), Maps, Translate, News
* Gmail => Calendar, Contacts, Meet, Drive, Docs, Sheets,
* Andriod => Assistant!, Play, Pay, Play Books, Files,
* Work => Cloud, Collab, TensorFlow, Keras, DeepSpeech, OCR,