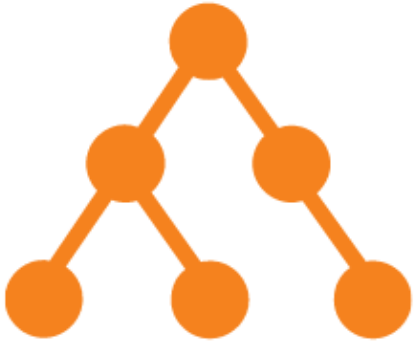


disruption lab

Technical Interview Workshop

Disruption Lab Winter 2023

The Disruption Lab

We don’t play the game. We change the game.

Explore emerging technologies

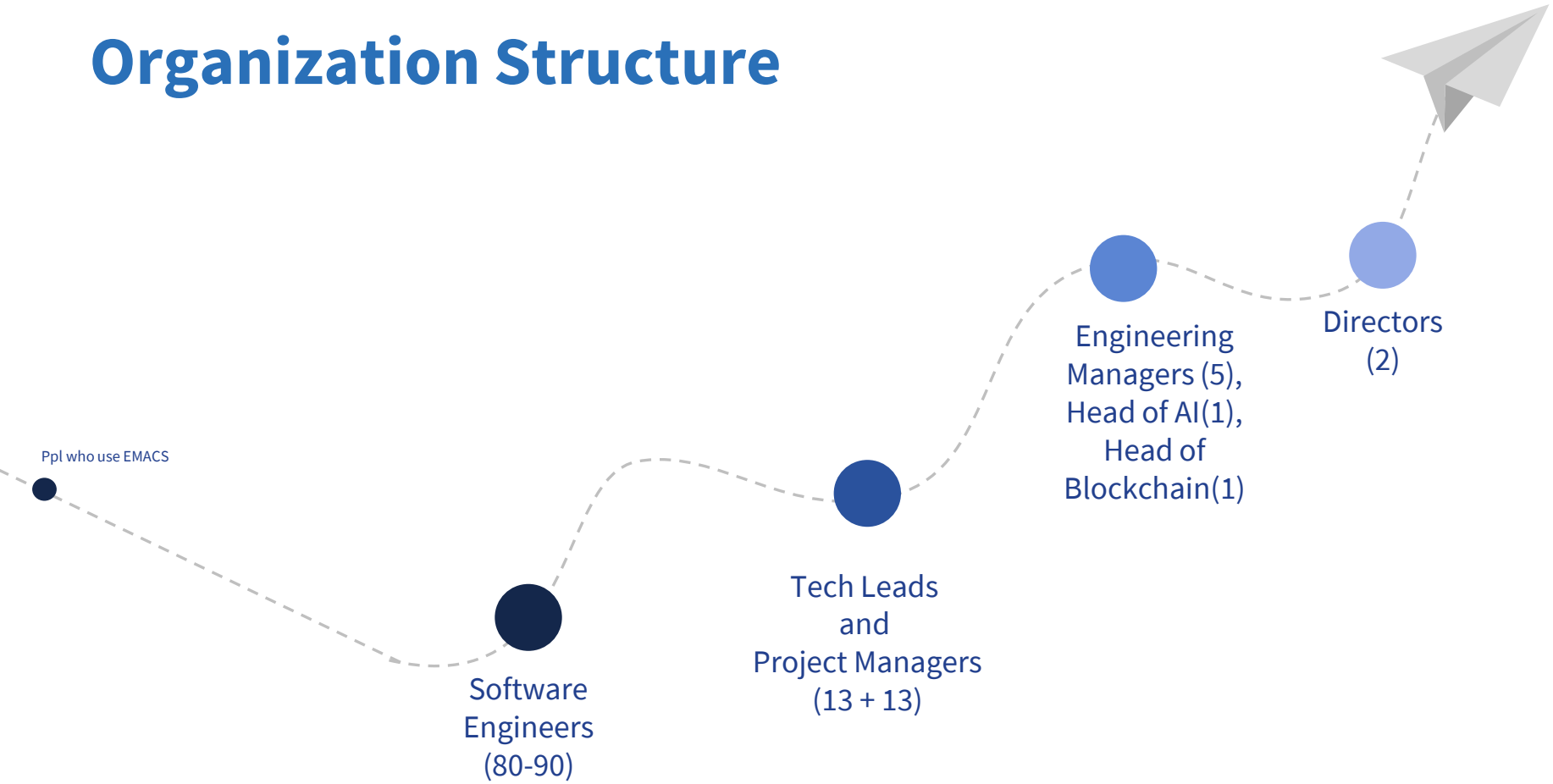
Bolster your technical skillset

Build the products of tomorrow

Work with corporate clients

Cultivate leadership proficiencies

Organization Structure



Project Areas

Cultural Values

Tenacity
Grit, perseverance, run through walls and make it happen

Family
Create community, invest in connections, and be fully present

Leadership
Work towards a vision, take initiative, and blow past expectations

Timeline of an Interview

Stage 1
Remote Coding Interview

A series of leetcode type problems. Commonly referred to as OAs (online assessments).

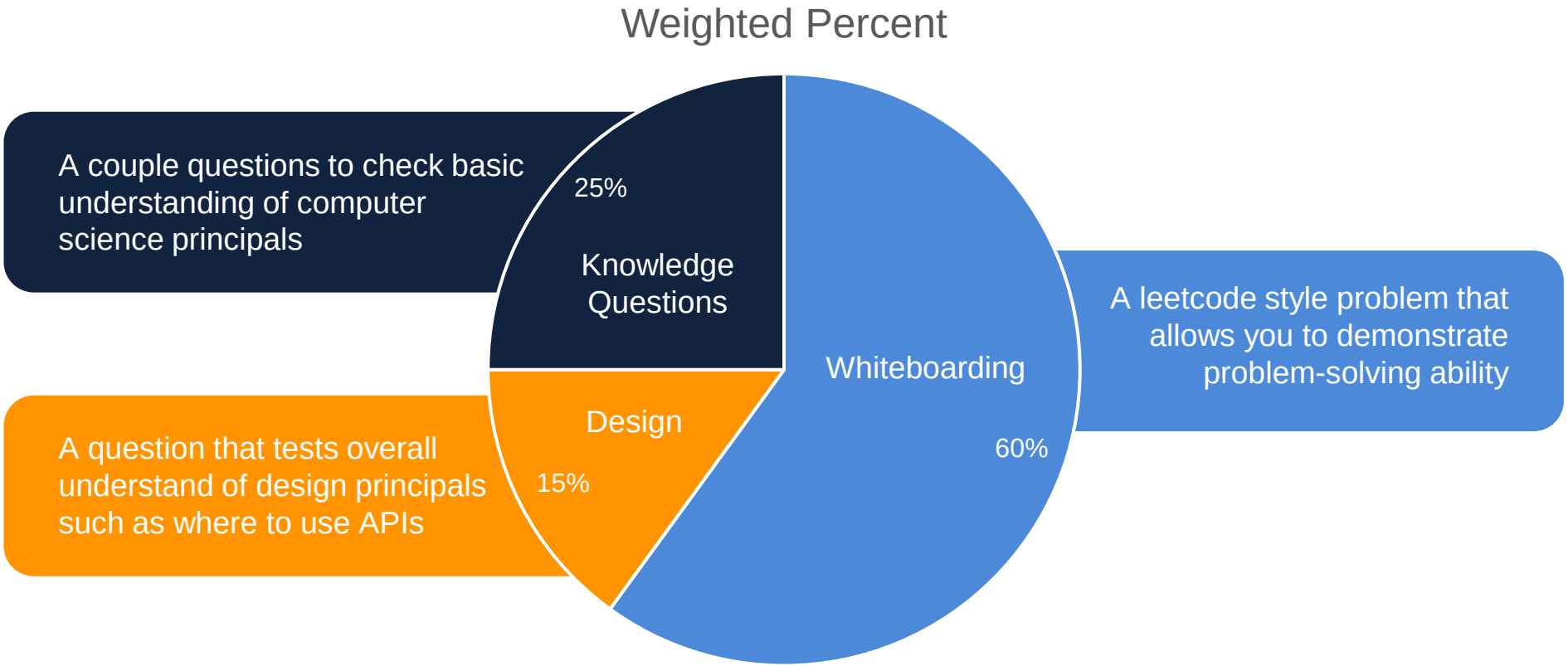
Stage 2
Technical Interview

Contains whiteboarding problems and questions about overarching CS concepts

Stage 3
Behavioral Interview

Questions about your principals and past work.

What Entails a Technical Interview?



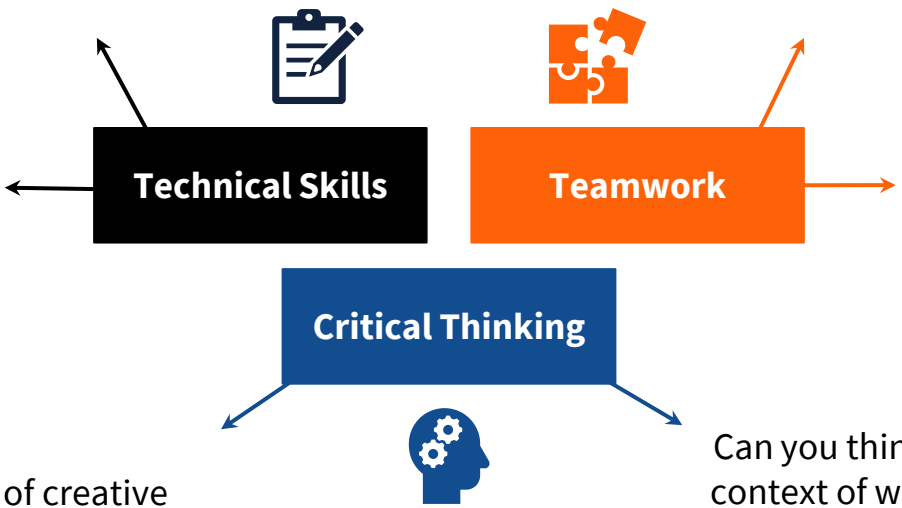
Percentages are rough estimates based on averages.

What is looked at in an Interview?

Are you equipped with the coding skills for the job?

How well do you fit into the culture of the company?

How well can you problem solve and break down the problem into smaller/simple problems



Can you effectively communicate with those around you?

Are you able to think of creative solution quickly and under pressure?

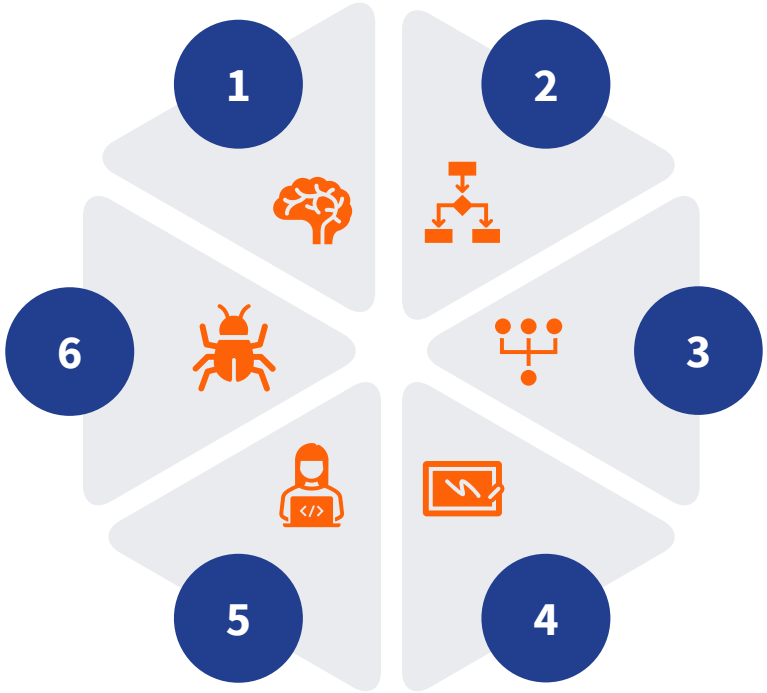
Can you think analytically in context of what the problem is?

Approaching problem solving

Understand the problem
Text about the issue that provides context. No more than 3 lines of description.

Test and Debug
Text about the issue that provides context. No more than 3 lines of description.

Optimize Code
Text about the issue that provides context. No more than 3 lines of description.



Break down the problem
Text about the issue that provides context. No more than 3 lines of description.

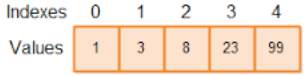
Identify Patterns
Text about the issue that provides context. No more than 3 lines of description.

Plan it out and Psuedo-Code
Text about the issue that provides context. No more than 3 lines of description.

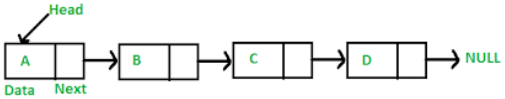
Data Structures

Common Structures

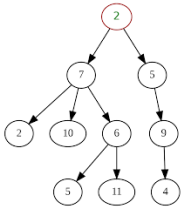
Arrays:



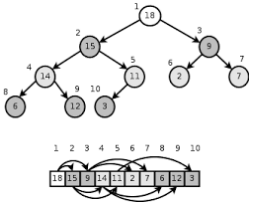
Linked Lists:



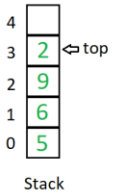
Trees:



Heaps:



Stacks:



Common Functions

Pushing/Adding

Popping/Removing

Accessing Variable

Any Special Functions

Algorithms

BFS/DFS Sorting/Searching Backtracking Memoization/DP

What to Know

Runtimes

Space complexity

Use Cases

How they work

Effective Communication

How to communicate effectively:

How to ask good questions:

What to do when your stuck:

Effective Communication

How to communicate effectively:

Show your thought process

Use examples and analogies

Ask for feedback

Speak confidently and clearly

Be ready to answer why

Be honest

How to ask good questions:

Start with clarifying questions

Being Specific

Don’t Be afraid to ask for help

What to do when your stuck:

Take a step back

Don’t get discouraged

Try work from a brute-force solution

Use the process of elimination

Gies College of Business

Mock Interview