Lissa, Anna, Gbemi

ChemAR

The Past

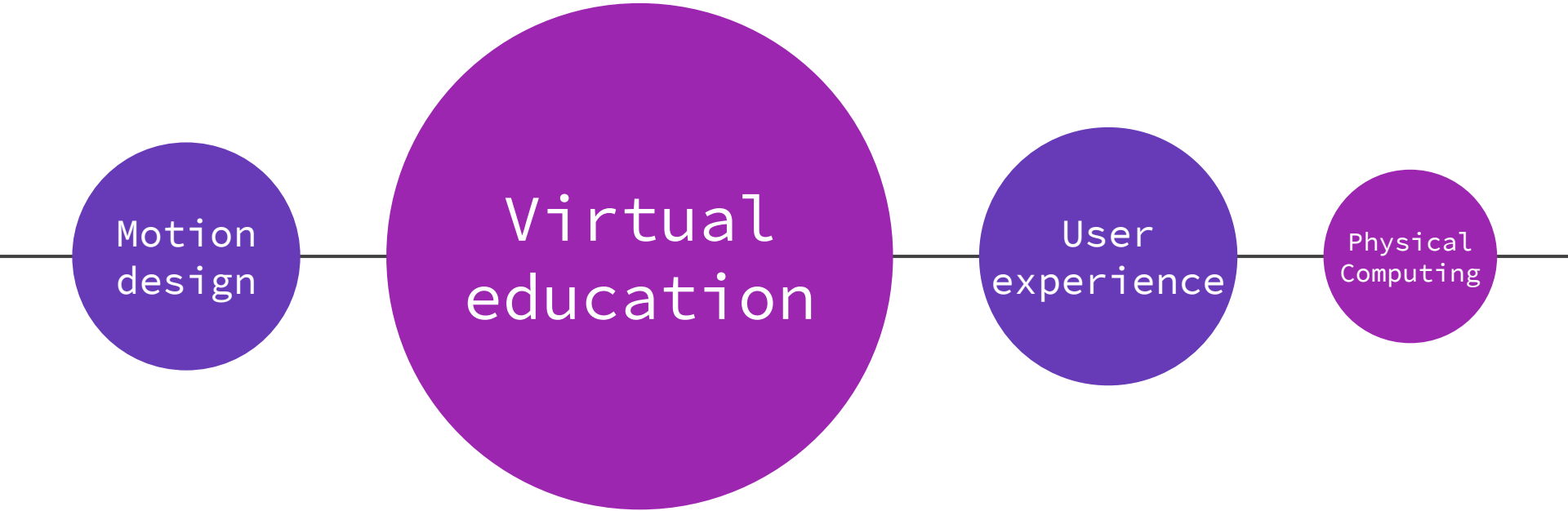
A decade ago, we all wondered what the future of tech would hold and here are today. We are able to:

- Take professional photos with our phone
- Waterproof phones
- AR & VR
- Better and improved tech compacted into thin desktops, TV and laptop

What lies in store in the next decade in the Tech World?

With the introduction and popularity of **VR and AR**, we are going to be seeing changes to our physical world as we know it. These changes will most importantly change how the **future generation** interact with each other and how the **education system will adapt** to these changes. And that is why we created a **prototype** of the **next generation of technology.**

Keeping these in mind....



ChemAR

We created an educational application with the aid of Unity, Vuforia, and C# that **identifies images and displays a 3D video** of their chemical composition. This **Augmented Reality app is based on Image Recognition** and can be accessed from both a laptop and phone for accessibility.

What led to this idea?

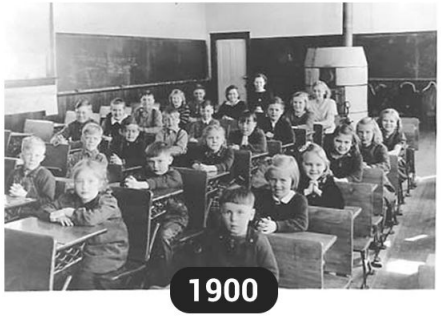
As you can imagine, we had a few ideas which led up to the final product.

- In the beginning, we wanted to **create a molecule (H2O)** using the **periodic table in Virtual Reality.** Due to its complexity and our knowledge of programming languages, we decided against it.

- We attempted to **use Google Cloud Platform** to take advantage of its **Cloud Vision API** but, with the complexity of using C# in Unity and Python in Google Cloud Vision API, we decided against it.

These prove that **it is okay to fail and not succeed in the beginning** because, in the end, it all works out **beautifully in the end.**

What is the next step?



The next step is to scan 3D models that will be added to our database so it can identify real life objects.

Which means...

In a decade, the education system will change in order to adapt to the technologically savvy world. Such tech like our prototype will be able to help students learn beyond the traditional classroom.