

Team justCheckingHow presents:

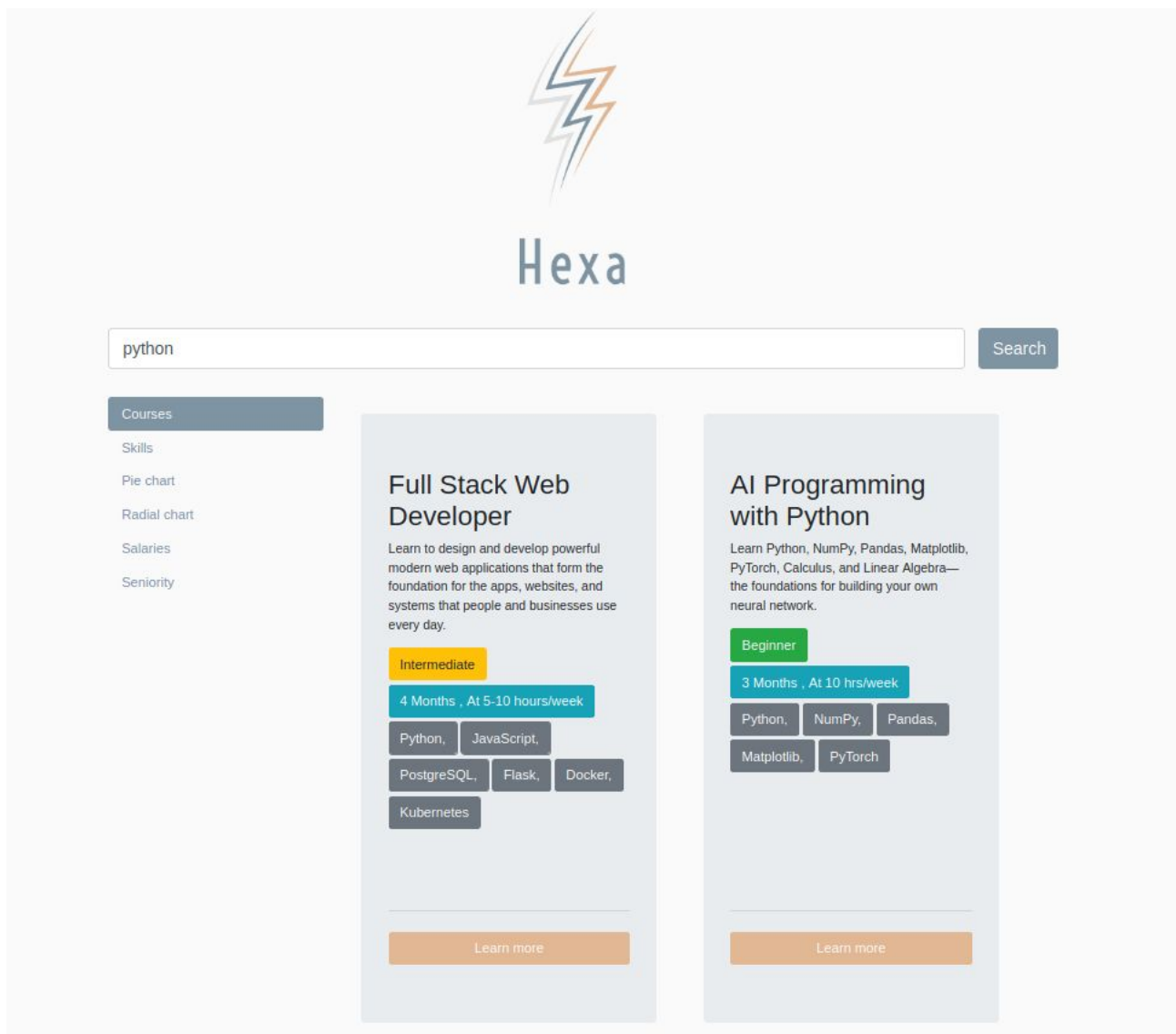
Hexa

We believe that the current situation, much related to the pandemic, carries many risks but also many opportunities. With our solution, we hope to provide some guidance on Education and Business backed by data.

How to secure yourself with a job market collapse waiting ahead?

We believe the best way is to do so is by learning valuable skills or move to a more secure industry sector.

Having that in mind we came up with our idea -- a web app powered by *the real world data* from worlds' leading job aggregators that empowers the user to make the right decisions about his or her career in times of the pandemic.



The screenshot displays the Hexa web application interface. At the top center is the Hexa logo, which consists of a stylized lightning bolt icon above the word "Hexa". Below the logo is a search bar containing the text "python" and a "Search" button. On the left side, there is a navigation menu with the following items: "Courses" (highlighted), "Skills", "Pie chart", "Radial chart", "Salaries", and "Seniority". The main content area shows two course cards. The first card is for "Full Stack Web Developer", which is labeled as "Intermediate" and has a duration of "4 Months, At 5-10 hours/week". The skills listed for this course are Python, JavaScript, PostgreSQL, Flask, Docker, and Kubernetes. The second card is for "AI Programming with Python", which is labeled as "Beginner" and has a duration of "3 Months, At 10 hrs/week". The skills listed for this course are Python, NumPy, Pandas, Matplotlib, and PyTorch. Both cards have a "Learn more" button at the bottom.

Landing Page

The core functionality of our app is a search engine based on the real world data. In the search bar we can provide a skill we want to learn or verify it against the market.

More will be described on the video and online pitch, but here's a quick peek:



Upon entering our skill keyword plenty of visual data will be given to the user -- allowing him to make informed decisions based on the real, dynamic data. Analyzing the results, will certainly shed more light on the key interests related to an entered skill and related technologies that are worth learning.

This is a powerhouse of data visualisation -- we give the user access to various angles and facets of the data, so that his decision is truly informed. Here's what can be found in this section:

1. **Courses tab** – with links and short descriptions of courses related to the entered skill.
2. **Skills tab** -- additional skills that come in handy.
3. **Pie chart** – as above, but more visually pleasing
4. **Radial chart** – skill importance layout
5. **Salaries tab**– salaries distribution
6. **Seniority tab** – number of job offers with given seniority level

Reverse Search and Salary Map

There is much more to our app than what we describe here, but this document is getting long enough, so here we'll skip other items from the navigation tab leaving them for online presentation and move to reverse search.

[Courses](#) [Search](#) [Reverse search](#) [Salary map](#)

The **Reverse search** feature allows us to do a reverse search on job offers – based on provided skill in the first search box and optional skills in the following, we display a list of jobs that require that skill and may but may not require second choice skills. The progress bar shows how many of the *additional skills* can be found in a given job position.



The screenshot above depicts the functionality of the **Salary Map** which shows the normalised (to Euro) salaries for our database constructed from the real world data. The map is powered by the **Kepler.gl** engine and is fully interactive. *We would love you to see our live website demo!*