

7. Watching videos online

While researching I used a lot of videos from YouTube (and other sources) where I got lots of information and ideas from. Mostly tutorials and explanations for things regarding programming.

This method is Desk Research. I am just sitting behind my laptop trying to figure something out, so of course I'll look for it online. As a developer I think I couldn't have gotten as far as I am today without the use of this method.

For this researching project I'm using this method in every stage of the process. When I started, I needed to know basic information to get me started, and later on I needed specific information regarding a piece of code for example. Sometimes I have a lot of ideas but I can't put them into fruition, at a moment like this watching a video to get inspiration can be a total game changer for me, it can bring all the pieces together and give me the idea I was searching for.

When I'm programming I kind of want to do everything step by step, just tackle an issue one at a time, because I work with this structure I try to watch Youtube videos (or just google the issue) whenever I need new information or just need to get a start with a new project.

In the best case scenario after I've watched the right videos I have new ideas on how to solve my issue, or have found a snippet of code that I couldn't figure out myself. Sometimes when I don't know exactly what to code, I'll look for examples. If I find a decent one, I try to copy it and then change it so that it does what I want it to. In this case I try to take inspiration from the Youtube video as a start for my own project.

This method was often used together with making my prototypes. While using this method I also figured out which operating system and text editor program to use while making the prototypes, in general I used this method almost the whole time during my research.

I want this file to be a general place where I can go back to and find important videos where I learnt a lot from in this Lab research.

AI & Programming Tutorials:

Small introduction to Python and why it is so useful

<https://www.youtube.com/watch?v=Y8Tko2YC5hA>

A Full 6-hour tutorial for Python.

<https://www.youtube.com/watch?v=uQrJ0TkZlc&t=16238s>

Artificial Intelligence Tutorial for beginners by Simplilearn

<https://www.youtube.com/watch?v=FWOZmmlUqHg>

My bought Udemy Tutorial on Artificial Intelligence and Machine Learning in Python

<https://www.udemy.com/course/data-science-and-machine-learning-with-python-hands-on/learn/lecture/15090172?start=45#overview>

Quite an in-depth beginner tutorial regarding what an AI is and how it works

<https://www.youtube.com/watch?v=FWOZmmlUqHg>

A 3-hour tutorial on MySQL

https://www.youtube.com/watch?v=7S_tz1z_5bA&t=128s

Python:

Shazam-alike application written in Python (Ubuntu version)

<https://www.youtube.com/watch?v=WRsNZa45prE>

//note: this is the original version of the code

Shazam-alike application written in Python (windows version)

<https://www.youtube.com/watch?v=kAWleRmY3RU&t=15s>

// note: had lots of issues implementing this version since it's a rework from a Ubuntu version.

Speech Assistant Application, sort of Siri/Alexa in Python

<https://www.youtube.com/watch?v=x8xjj6cR9Nc&t=319s>

JavaScript:

JavaScript speech recognition project, a 'fake' Siri/Alexa

<https://www.youtube.com/watch?v=lq7tFgvdf4k>

Chatbot with speech recognition in JavaScript

<https://www.youtube.com/watch?v=TdvqNEuvaJU&t=730s>

Drumkit in JavaScript

<https://www.youtube.com/watch?v=VuN8qwZoego&t=184s>

Text to speech in JavaScript

https://www.youtube.com/watch?v=saCpKH_xdgs&t=62s

Speech Recognition in JavaScript

<https://www.youtube.com/watch?v=0mJCOA72Fnw&t=81s>

Tuning application with Machine Learning in JavaScript

<https://www.youtube.com/watch?v=F1OkDTUkKFo&t=1847s>

General videos:

A small tutorial on how to fully run Ubuntu via a USB

<https://www.youtube.com/watch?v=YlhYitXwJfE&t=663s>

Another tutorial on how to run Ubuntu via a USB

<https://www.youtube.com/watch?v=PyfqwCFwQ3w&t=345s>

How to create a bootable USB stick (for Linux)

<https://www.youtube.com/watch?v=tEC89FkXPE8&t=37s>

How to link your Github to PyCharm

<https://www.youtube.com/watch?v=mPmmvtYoRyc&t=226s>