**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.

The use of this method goes hand in hand with many of my other methods, for example:

- Programming

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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=FWOZmmIUqHg>

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=FWOZmmIUqHg>

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=0mJC0A72Fnw&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=YIhYitXwJfE&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>

As a programmer/developer to be, I use this method every day. When I want to code something I have to look it up, of course on sources such as StackOverflow you can find a lot of code, but seeing something demonstrating how it works, to see how to install certain things (such as with Python code) really gives an extra layer of usability for me. Just seeing a code is fine, but seeing how to actually use it has helped me a lot in this Research Lab.