



Célian
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Computer
Engineering Student



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GitHub



LinkedIn

Medical&Digital 2021

7 weeks internship at [Medical&Digital](#) (branch of [Infotrafic](#)).

I have been asked to optimize [Weasis](#), an open source viewer for DICOM files (medical images). Weasis was used in Raspberry Pi devices.

In addition, I also have set up a secured PACS server used to manage medical files such as DICOM. The server was used alongside Weasis.

During this internship, most of the code has been written in Java. I have also learnt Docker and increased my web knowledge (https and DICOMWeb)

Webdyn 2020

Two months internship at [Webdyn](#) in 2020. Webdyn is a multinational company specialized in remote water, gas and electricity meters. The goal was to create a mobile application to configure WebdynEasy hardware especially on its installation by a technician. Made with Flutter in Dart, it provides QR Code scanning, Bluetooth Low Energy communication with the gateway and includes a test mode used in the certification process. This application is available on the [Google Play Store](#)

Education

- Actually in third year after graduation at [EPITA](#)
- A Level: Science, IT option
- Study abroad semester at Griffith College in Ireland (2021)
- Attendee to the general high school contest related to math
- French: native, English: B2, 800 TOEIC points (autonomous)

Activities

- Passionate in IT and math since middle school
- Competitive programming ([Google Kickstart](#) / [Leetcode](#))
- Artificial Intelligence
- Mobile apps
- English research papers reading
- Electronic music
- Travels (Ireland, Japan, France...)
- Volunteering ([Prologin](#) / sport / culinary events photography)

Experienced



Intermediate



Object Oriented
Programming

Functional
Programming

Data Structures

Project
Management



Riddim

C++

Programming Language



```
doc'Returns the filtered vector containing only even numbers'
fn Vec.only_even(only_odd: false) {
  if only_odd {
    # Filter numbers not in the even set
    even = me.only_even()
    return me.filter(|x| x not in even)
  } else {
    return me.filter(|x| x % 2 == 0)
  }
}

vec = Vec(0 -> 20 .. 3) # [0, 3, 6, 9, 12, 15, 18]

print 'map:', vec.map(|x| 2 * x) # [0, 6, 12, 18, 24, 30, 36]
print 'filter:', vec.filter(|x| x >= 10) # [12, 15, 18]
print 'reduce:', vec.reduce(|a, b| a + b, init: 0) # 63
print 'chain:', vec.map(|x| -x).filter(|x| x <= -3) # [-3, -6, -9, -12, -15, -18]
print 'only_even:', vec.only_even() # [0, 6, 12, 18]
print 'only_odd:', vec.only_even(only_odd: true) # [3, 9, 15]
```

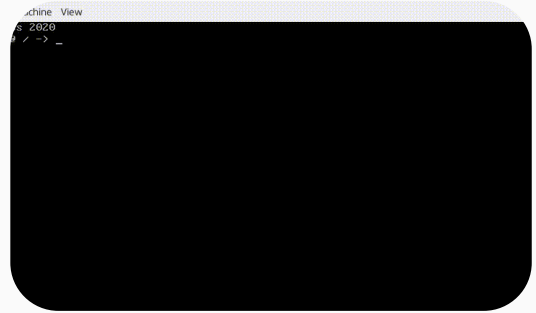
Interpreted language made in C++ designed for algorithms / data structures. It contains a standard library, a garbage collector and a documentation generator.

Os2020

C

Assembly

OS

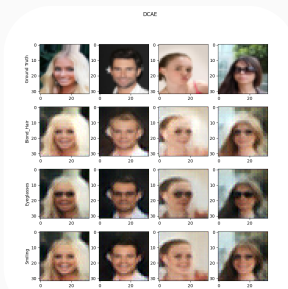


32 bits Operating System. Written in C and assembly, it provides a custom bootloader, a libc and a Fat32 file system driver.

Feature-Changer

Python

AI

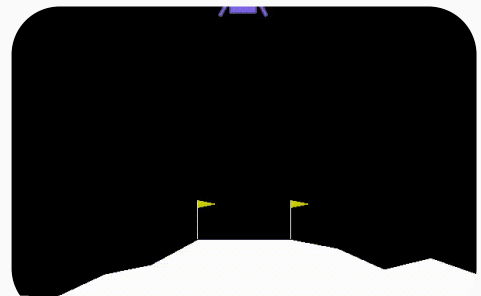


Convolutional autoencoder able to change image attributes. It can modify hair color, add glasses and more.

PyTorch-Collections

Python

AI

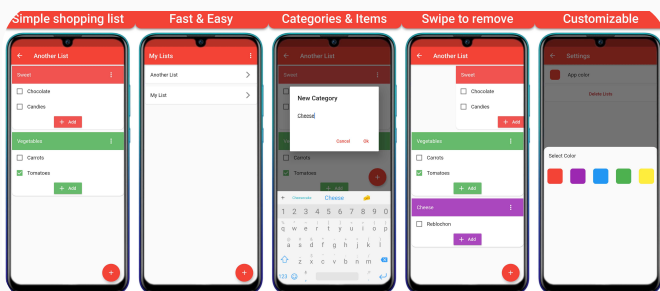


A collection of deep learning algorithms made with PyTorch. Inspired by several research papers, it includes mostly image processing and reinforcement learning algorithms.

Quick-Shop

Flutter

Mobile App

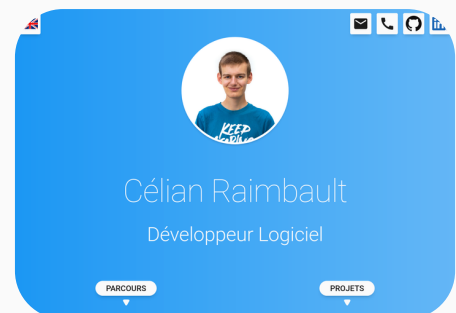


Shopping list mobile application. Produced with the Flutter framework in Dart. Available also on the Google Play Store.

This Website !

Web

Design



Online resume made in HTML / JS / SASS with React JS.