Célian Raimbault

Computer Engineering Student

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GitHub

LinkedIn

Experiences

- 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 second 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
- Programming 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)

Skills

Experienced

Intermediate

Oriented Object Programming

Functional Programming

Data Structures

Project Management

Riddim

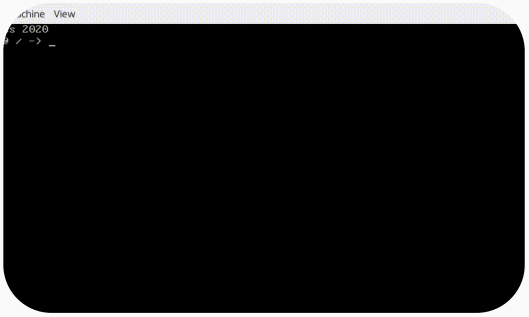
C++ · Programming Language

```
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

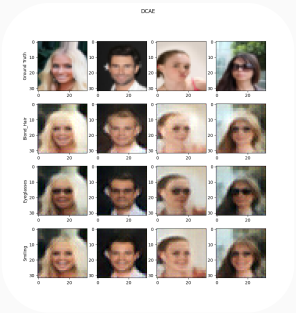
C · Assembly · OS



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

Feature-Changer

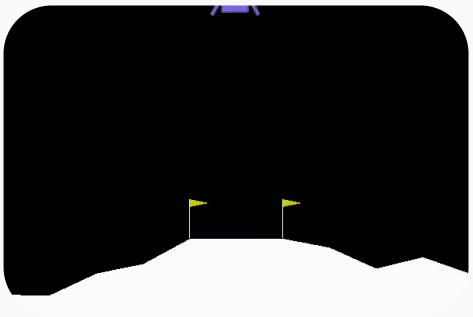
Python · AI



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

PyTorch-Collections

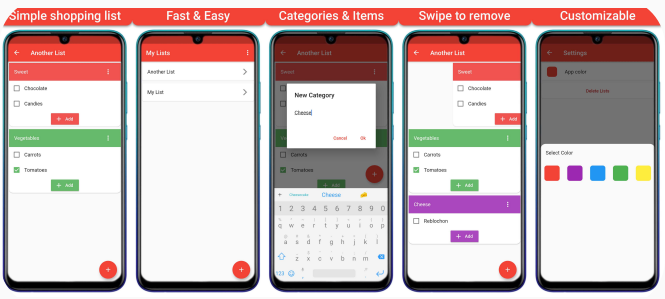
Python · AI



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

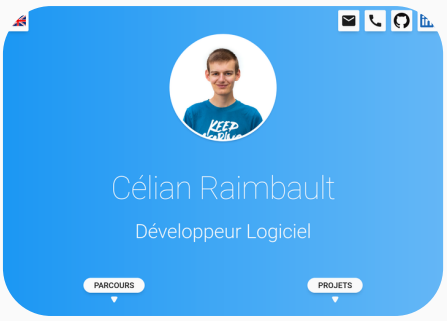
Flutter · Mobile App



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.