

TIM LEBAILLY

MULTILINGUAL ENGINEERING STUDENT



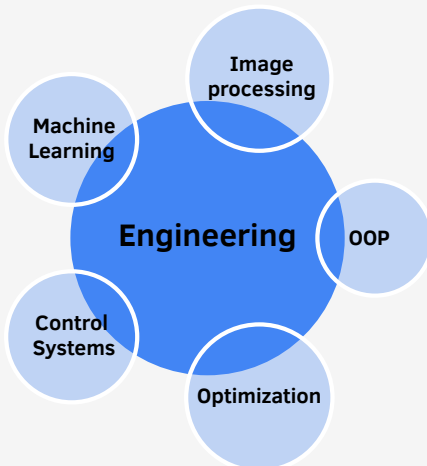
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Skills

Overview



Programming

Java • Python • MATLAB

SQL • PyTorch

C

Git

Projects

P&O2 - Automatic mini car capable of going through a maze based on Arduino

ESAT3A1 - Computer program allowing partial control of a computer using hand gestures and kinect input

Asteroids - A version of the game Asteroids (1979, Atari Inc.) with extensions written in Java

EAGLE3 - A physical quadcopter with automatic control and navigation capabilities. Detecting QR-codes on the ground indicates a path it has to follow

Languages

French - Native or bilingual

English - Native or bilingual

Dutch - Native or bilingual

Personal profile

Data science student with interest in Machine Learning. Having moved to Asia at a young age and being both Belgian and Canadian myself, growing up in an international environment has definitely shaped the person that I am today: independent, open-minded, and keen to get out of my comfort zone on a daily basis.

Education

2019 - 2021 **Master in Data Science at EPFL**

- Courses include: machine learning, computer vision, parallel computing, optimization, image processing, deep-learning

2018 - 2019 **1 year exchange student at EPFL**

- GPA: 5.6/6
- Activities and societies: EPFL Rocket Team

2015 - 2018 **BEng., Electrical & Computer engineering at KU Leuven**

- Cum laude
- Courses included: programming, algorithms, signal processing, applied & pure mathematics, databases, computer networks

2017 - 2018 **Free student at Université Catholique de Louvain**

- Elective course IngénieursSud (5 ECTS)

Experience

Jul 2019 - **IBM Machine learning intern**

IBM

- Worked on interpretable and fair machine learning using IBM AI Fairness 360
- Also developed backend of web-app for privacy awareness game

Sept 2018 - **Software engineer at Rocket Team**

EPFL

- Active member of avionics sub-team
- Responsible for data measurement and analysis
- Will participate at the Spaceport America Cup 2019 competition

Jul 2018 **Lab job at Electrical Engineering department**

KU Leuven

- Offered job out of more than 100 students based on year project accomplishments
- Worked to improve the project course at KU Leuven where students develop their own drones
- Further developed algorithms for automatic control and navigation of quadcopters

2017 - 2018 **Engineering lead project**

Gi-Tech

- Lead team of 5 towards the development of "Energy-box" containing battery racks and DC-AC inverter designed for rural use in Africa
- Fully self built off-grid solution allowing better access to electricity to local population
- Spent 3 weeks at the University of Western Cape in South-Africa for integrating the "Energy-box" with local partners
- Our "Energy-box" project was documented in a Belgian [newspaper article](#) from *Le Soir*.

2013 - 2014 **Voluntary work in India**

Défi Belgique Afrique

- Increased North-South inequalities awareness and collectively raised more than 220 000 EUR for humanitarian projects
- Planted more than 2000 trees in Tamil Nadu to fight against pollution