

Selim Gilon

MSC STUDENT · DATA SCIENCE & ARTIFICIAL INTELLIGENCE

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Education

University of Montreal & Montreal Institute of Learning Algorithms (MILA)

MSC IN COMPUTER SCIENCE SPECIALIZED IN MACHINE LEARNING - PROFESSIONAL TRACK.

Montreal, Canada

2021 - Present

Maastricht University

BSC IN DATA SCIENCE, KNOWLEDGE ENGINEERING & ARTIFICIAL INTELLIGENCE. TOP 5%.

Maastricht, Netherlands

2018 - 2021

Experience

E-Smart Control

DEEP LEARNING INTERN - (PYTHON, PYTORCH, TENSORFLOW)

- Developed real-time embedded deep vision models to actively adapt the speed of trucks based on the visual environment.

Montreal, Canada

May 2022 - Dec. 2022

Nomics & Deuse

WEB DEVELOPER INTERN - (PYTHON, DJANGO)

- Developed a web platform allowing doctors to analyze sleep apnea.

Liege, Belgium

Jun. 2021 - Jul. 2021

Connecting Agri&Food

BSC RESEARCHER - (PYTHON) - PAPER

- Analysed the relationships between sub-optimal climatic conditions and pigs' health.

Uden, Netherlands

Feb. 2021 - Jun. 2021

Royal Belgian Air Force

AIR CADET

- Learned to pilot gliders through a continuous military training.

Brussels, Belgium

Sep. 2016 - Oct. 2019

Projects (Some of 21/22)

Creation of Yolo Hydra

ACADEMIC RESEARCHER - (PYTHON, COMPUTER VISION) - LINK

- A multitask version of Yolo performing image classification and object detection at the same time.

Sep. 2022 - Dec. 2022

NHL Analysis

ACADEMIC PROJECT MEMBER - (PYTHON, DOCKER, FLASK) - LINK

- Data scraping, data analysis, interactive visualization, and live goal prediction of NHL games.

Sept. 2021 - Dec. 2021

Vision-Based Autonomous Landing of a Lightweight Drone on a Dynamic Platform

ACADEMIC PROJECT MEMBER - (PYTHON, C++, ROS, OPENCV) - PAPER, SLIDES

- First known project to successfully accomplish such a task with a tiny drone.
- Mainly worked on the drone exploration algorithms to find the moving platform with its onboard camera.

Oct. 2020 - Jan. 2021

Volunteer

MSAV Uros

COMPETITION COMMISSIONER

- Managed with 3 other people the student athletic association consisting of 90 runners.

Maastricht, Netherlands

Oct. 2019 - Oct. 2020

Les Scouts

SCOUTS LEADER

- Responsible for organizing weekly activities and a summer camp for a group of 50 teenagers.

Mangombroux, Belgium

Aug. 2018 - Aug. 2021

Activities & Interests

AI Computer-vision, Robotics, NLP, AI for good.

Sports Running (University teams of Cross-country and Track&Field), cycling, and other outdoor activities.

Skills

Languages French (native), English (Fluent), Dutch (basic).

Programming **Working Knowledge:** Java, Matlab, Python, SQL, Dart. **Basic Knowledge:** R.

Libraries PyTorch, TensorFlow, Keras, NLTK, OpenCV, ROS, scikit-learn.

First Aid BLS/AED - Basic Life Support and Automated External Defibrillator. Credential ID: ERC-791-247154