Lilian Hunout

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Profile

I am passionate about data science, machine learning with over two years of experience specializing in Python development and algorithms. I adapt quickly and I like to collaborate. I am ready to meet the future challenges that will come my way.

Links

- ⭕ GitHub **lhunout**
- 🔗 Website **lhunout.github.io**

Skills

Programming
Python • R • C • MATLAB/Simulink • SQL

Libraries
Keras • Tensorflow • PyTorch • OpenCV • Pandas • NumPy • Scikit-learn • Matplolib • ggplot2

Miscellaneous
Shell • Windows • Linux • Linux Tools • CUDA • Docker • Slurm • LaTeX • Markdown • Microsoft Office • Jupyter • Git • Jira (Agile/Scrum)

Embedded systems
ARM • ATmega

Soft Skills
teamwork • time management • problem-solving • documentation • communication • presentation skills • report writing

Languages
English (professionnal proficiency, TOEIC 845/990) • French (native proficiency, voltaire certificate - business)

Competition

Startupweekend
📅 Nov. 2019   📍 Bourges, FR
- 54-hour entrepreneurship educational competitive event
- "My farmer's basket" : connecting local producers with customers

Interests

- Sports: mountain biking, judo, snowboarding
- Trips abroad

Experience

Eviden, Atos
AI & Computer Vision Research Intern
📅 Feb. 2023 - Aug. 2023   📍 Grenoble, FR
- Big Data & Security division, European project PREVENT PCP
- Detection of abandoned luggage in video streams to improve station safety and limit false alerts to abandoned baggage.
- Implementation of score-based object/owner association algorithms.

MBDA, Airbus
Embedded AI Intern
📅 Apr. 2022 - Sep. 2022   📍 Bourges, FR
- Implementation of communication protocols, creation of an embedded Linux image on a Xilinx Zynq card, setting up a Vitis AI Docker environment, development of an image classification model.

Education

INSA Centre Val de Loire
MEng in Industrial Systems
📅 Sep. 2018 - Current   📍 Bourges, FR
- GPA: 4.0
- **Courses:** statistical theory and methods, machine learning, computer vision, complex systems engineering, risk management
- Student representative, active participation in various events (student council campaign, open days, etc.)

University of Tours
MRes in Electronics, Electrical Energy & Automatic Control (E3A)
📅 Sep. 2022 - Current   📍 Tours, FR
- **Courses:** cyber-physical system, multiphysics modelling

TalTech
School of Information Technologies (Erasmus+ exchange)
📅 Sep. 2021 - Jan. 2022   📍 Tallinn, EE
- GPA: 3.7
- **Courses:** data mining, machine learning, system programming, embedded systems

University Projects

PRISME Laboratory
Research project for medical applications
📅 Feb. 2022 - Apr. 2022   📍 Bourges, FR
- Detection and tracking of micro-scale magnetic robots on an ultrasound dataset. Keywords: YOLOv5, ECO tracker

TalTech Embedded AI Research Lab
End of semester project
📅 Nov. 2021 - Jan. 2022   📍 Tallinn, EE
- Garage door cycle detection model from accelerometric dataset on an STM32 board with X-CUBE-AI.
- **First prize 250€**