



Vincent Stragier

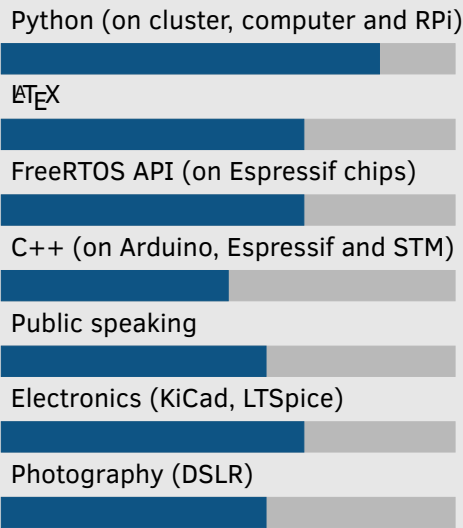
Electrical Engineer

- 1997
- 7522 Blandain, Belgique
- +32 65 37 42 61
- in/vincentstragier
- vincent.stragier@outlook.com
- Driving licence and car, Euro 6d

About me

Willing to go above and beyond the technical barriers. Interested in electronics related product design and biomedical research. Open source software and open hardware adept. Home automation enthusiast. Amateur photograph of various subjects.

Skills



Curiosity ★6 Perseverance ★5
Perfectionism ★5

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Experience

- Oct. 2024 - July 2025 **ISIA Lab** Research Assistant
Development of a web interface for the clinical evaluation of a new sleep apnea scoring method. The method incorporates explainable AI to enhance interpretability in clinical settings.
- Sept. 2024 - Dec. 2024 **MRDV** Part Time Teaching Assistant
Supervision of the Rational Mechanics laboratories for second-year bachelor's students in Engineering at the Faculty of Engineering, University of Mons.
- 2021-2024 **ISIA Lab** PhD Student
Research related to the development of an intelligent assistant for visually impaired and blind individuals. Experimentation with various computer vision models for object detection, optical character recognition and face recognition. The core of this work was about large language models (e.g., GPT), deeply understanding how they work, finding how to use them for natural language understanding tasks, and how to deploy them.
- July 2023 **REUNICE Doctoral Summer School** Attendant
First EUNICE Summer School on Sustainable Science at the *Università di Catania, Italia*. During this week, various speakers shared their knowledge on climate, mobility, energy monitoring and management, and artificial intelligence. A broader view of the event is given on [EUNICE website](#).
- 2020-2021 **CETIC** Engineering Student Intern
Consolidate an epileptic seizure detection pipeline using machine learning on the Temple University Hospital EEG Seizure Corpus (supervised by Paul Vanabelle and Thierry Dutoit). Development of a tool for anonymization and conversion of electroencephalographic (EEG) files to facilitate the construction and exchange of a dataset.
- 2018-Present **Codobot®** Hardware and Firmware developer
Design of a printed circuit board, associated firmware, flashing and testing tools for the robot integrated to the Codobot® board game.
- 2017-Present **electroLAB** Treasurer (17-18, 22-), President (19-21), VP (18-19)
Organize the main events and realize electronics related projects, i.e., microcontroller based wheel encoder decoder counter (contribution to the Faculty's Eurobot team), Arduino related workshops (Créactifs!), connected bird houses allowing to observe birds through a network of video cameras, *stage Polytech Jeunes electroLAB*.
- 2022-Present **Erasmus Student Network (Mons)** IT
[esnmons.be](#) deployment and maintenance.
- 2020-2021 **Erasmus Student Network (Mons)** City Trips Co-organizer
Support the organization of trips within the country, photograph trips, and generally inform the incoming Erasmus students.
- 2015-2016 **Jeunesses Scientifiques Belges (Mons)** Activity Leader
Design and lead of workshops for young people aged 13 to 17.

Education

2021-2024	ISIA Lab PhD Student (not defended) University of Mons, Belgium
2019-2021	Signals, Systems and BioEngineering Master's degree in Electrical Engineering (<i>distinction</i> , good) University of Mons, Belgium
2015-2019	Bachelor's degree in Engineering - Electricity Bachelor's degree in Engineering (<i>satisfaction</i> , satisfactory) University of Mons, Belgium
2011-2015	Sciences Appliquées High School Diploma Centre Éducatif de la Sainte-Union, Tournai

Tools

- Visual Studio Code
- Windows and Linux (down to CLI usage)
- GitHub (and GitHub actions)
- SolidWorks

Accomplishments

2021	Technord	Best master thesis
	Prize issued by Technord for the best master thesis in the finality Signals, Systems and BioEngineering.	
2019	Créactifs!	Conception of the Codobot® robot
	Prize issued by UMONS for the Tangerine project video. Design of a robot prototype within a multidisciplinary team	
2017	Startech	Domogrid entrepreneurial project
	Prize issued by WSL for the best entrepreneurial team project for the StarTech contest within the UMONS Faculty of Engineering. Post project presentation at Texas A&M University to Rodney Hill's students	
2017	Créactifs!	Domogrid MVP
	UMONS prize won for the Domogrid project video , alongside Charles Dehombreux and Yannick Molle	

Languages

French	C2, Native language	Italian	Beginner
English	Working proficiency	Dutch	Beginner