



Leon Ingelse

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Languages

Dutch	Native
English	C2
Spanish	C1
Portuguese	B2

Computer skills

Python	4.5 yrs.
git	4.5 yrs.
SQL	3.5 yrs.
R	2 yrs.
F#	1.5 yrs.
Java	0.5 yrs.

Biography

Lisbon, 20th January 2025

As a mathematician, I am analytical, critical, and a natural problem-solver. As an AI researcher, I have developed various technical skills and gained extensive experience in both independent work and group projects. Although I have a technical background, my social and communicative skills will surprise you. My curiosity for the unknown has taken me around the world and allowed me to engage with different cultures and diverse worldviews.

I speak 4 languages - of which 3 at a professional level. My passions are technological innovation, writing, social justice, exercising and engaging in public discourse. I am independent, sociable, reliable, resourceful, positive, creative and critical. I am also a quick learner and a transparent communicator. Feel free to reach out for a chat!

Work experience

Researcher & Writer

Dots & Lines | Remote | Part-time freelancer

06/2024 - Ongoing

Data Analyst

Onja | Toamasina (Madagascar) - Remote

03/2024 - 10/2024

Research Assistant

LASIGE | Lisbon | Remote

Funded by FCT – Supervised by Prof. Fonseca

Main achievements: See publications and Genetic Engine

02/2021 - 10/2023

Research Journalist

Global Voices | Remote

Works: AI usage by Dutch government - Colonialism in Portugal

05/2023 - 11/2023

Software Engineer and Data Scientist

Impact Institute | Amsterdam

Research & Development team. Main achievement: Global Impact Database.

02/2019 - 08/2020

High School Tutor

OVER huiswerkbegeleiding | Amsterdam

09/2014 - 01/2018

Side Jobs

Besides the above, I have done numerous side jobs, e.g., sales agent, receptionist, cleaner, cook, bartender, dish washer, ice cream seller, grape picker, and cashier, amongst others.

Education

Data Science (M.Sc.) | GPA: 18 (/20)

University of Lisbon

AI ■ ML ■ Explainable AI ■ Genetic Programming ■ Feature Learning ■ Databases
Thesis: „Optimisation of Feature Learning through Grammar-Guided GP“.

09/2020 - 09/2022

Mathematics (B.Sc.) | GPA: 7.06 (/10)

University of Amsterdam

Algebra ■ Real analysis ■ Number theory ■ Topology ■ Statistics
Thesis: „p-Adic numbers and the local-global principle“.

09/2014 - 01/2019

International Development (Minor)

University of Amsterdam

09/2018 - 01/2019

Spanish (Minor)

Pontificia Católica Universidad de Chile

09/2016 - 12/2016

Selected publications [\(see all\)](#)

Ingelse, Leon, et al. *A comparison of representations in grammar-guided genetic programming in the context of glucose prediction in people with diabetes*. GP Evolvable Machines 26, 5 (2025).

Ingelse, Leon, et al. *Comparing Individual Representations in Grammar-Guided Genetic Programming for Glucose Prediction in People with Diabetes*. GECCO workshop (2023).

Ingelse, Leon, and Fonseca, Alcides, (2023). *Domain-Aware Feature Learning with Grammar-Guided Genetic Programming*. EuroGP 2023 Proceedings. Springer Nature.

Ingelse, Leon, et al. (2022). *Personalised Gait Recognition for People with Neurological Conditions*. Sensors 22.11 (2022): 3980.

Projects

Writer

Besides my research, I write [opinion pieces](#), promotional texts for [LRC](#) and poetry, and I have written for the newsletter of [Lumiera](#) and [VvdO](#).

09/2023 - Ongoing

Trumpet Player

[Candy Flip](#) | Lisbon

09/2022 - Ongoing

Body Painter

[Risquinhos de Leon](#) | Lisbon

06/2023 - Ongoing

Boulder Gym | Co-founder & Manager

[Floresta de Baobás](#) | Lisbon

06/2023 - 02/2024

Student Ambassador | Leader Creative Committee

International office University of Amsterdam

02/2017 - 08/2017

Volunteering

Distributor

[Fruta Feia](#) | Lisbon

09/2023 - Ongoing

Cook

[Zona Franca nos Anjos](#) | Lisbon

09/2023 - 02/2024

Coordinator

[Buurtbuik West](#) | Amsterdam

10/2019 - 09/2020

Football trainer

[Escuela de Fútbol Clotario Blest](#) | Santiago de Chile

09/2016 - 12/2016