



## Leon Ingelse

### Contact

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- leoningel.github.io
- github.com/Leoningel
- Leon Ingelse

### Languages

Dutch	Native
English	C2
Spanish	C1
Portuguese	B2
French	A2
Italian	A2

### Computer skills

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

## Biography

Lisbon, 21st September 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 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 and allowed me to engage with different cultures and worldviews.

I speak four languages, three of which are at a professional level. My passions are technological innovation, writing, social justice, exercise, and engaging in public discourse. I like to challenge and be challenged, as understanding ourselves, our thoughts, and our goals brings growth. Feel free to reach out for a chat!

## Work experience

### Ethical AI Researcher

06/2024 - Ongoing

Dots & Lines | Remote

Helping Dots & Lines continue on an ethical-aware path. Daily activity includes research, leading our blog and helping with the organisation, strategy and sales.

### Data Analyst

03/2024 - 10/2024

Onja | Toamasina (Madagascar) - Remote

### Research Assistant

02/2021 - 12/2023

LASIGE | Lisbon | Remote

Funded by FCT – Supervised by Prof. Fonseca

Main achievements: See [publications](#) and [Genetic Engine](#)

### Research Journalist

05/2023 - 11/2023

Global Voices | Remote

Works: [AI usage by Dutch government](#) - [Colonialism in Portugal](#)

### Software Engineer and Data Scientist

02/2019 - 08/2020

Impact Institute | Amsterdam

Research & Development team. Main achievement: [Global Impact Database](#).

### High School Tutor

09/2014 - 01/2018

OVER huiswerkbegeleiding | Amsterdam

### 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)

09/2020 - 09/2022

University of Lisbon

AI • ML • Explainable AI • Genetic Programming • Feature Learning • Databases

*Thesis: „Optimisation of Feature Learning through Grammar-Guided GP“.*

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

09/2014 - 01/2019

University of Amsterdam

Algebra • Real analysis • Number theory • Topology • Statistics

*Thesis: „p-Adic numbers and the local-global principle“.*

### International Development (Minor)

09/2018 - 01/2019

University of Amsterdam

### Spanish (Minor)

09/2016 - 12/2016

Pontificia Católica Universidad de Chile

Java

0.5 yrs.

## 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

09/2023 - Ongoing

Besides my research and job, I write opinion pieces, promotional texts for LRC and poetry, and I have written for the newsletter of Lumiera and VvdO.

### Community worker

02/2025 - Ongoing

Optimization4All | online

### Trumpet Player

09/2022 - Ongoing

Candy Flip | Lisbon

### Body Painter

06/2023 - Ongoing

Risquinhos de Leon | Lisbon

### Boulder Gym | Co-founder & Manager

06/2023 - 02/2024

Floresta de Baobás | Lisbon

### Student Ambassador | Leader Creative Committee

02/2017 - 08/2017

International office University of Amsterdam

## Volunteering

### Distributor

09/2023 - Ongoing

Fruta Feia | Lisbon

### Cook

09/2023 - 02/2024

Zona Franca nos Anjos | Lisbon

### Coordinator

10/2019 - 09/2020

Buurtbuik West | Amsterdam

### Football trainer

09/2016 - 12/2016

Escuela de Fútbol Clotario Blest | Santiago de Chile