



## Leon Ingelse

Data Scientist

- 09.05.1995 in Amsterdam
- Dutch

## Languages (human)

Dutch Native

English C2

Spanish C1

Portuguese B2

## Languages (computer)

Python 4.5 yrs.

git 4.5 yrs.

SQL 3.5 yrs.

R 2 yrs.

F# 1.5 yrs.

Java 0.5 yrs.

## Contact

✉ leoningelse@gmail.com

🌐 github.com/Leoningel

🌐 leoningel.github.io

🎓 Leon Ingelse

## Biography

Lisbon, 26th October 2022

As a mathematician I think in a structured way, solving problems by logically unraveling the obstructions. As a Data scientist I developed a broad range of practical skills, expanding my creativity and communicative effectiveness. By volunteering, following extra-curricular courses, and working at socially-aware companies, I try to stay socially and environmentally conscious. Generally, I am positive, independent, ambitious, resourceful, a quick learner and an efficient communicator. I am interested in Explainable AI, Genetic Programming, and Feature Learning.

## Work experience

### Research assistant | Msc Fellow

LASIGE (with Alcides Fonseca)  
Funded by FCT & CAMELOT

See publications. Main achievement: *Genetic Engine*

09/2021 - Ongoing

### Research assistant | Msc Fellow

LASIGE (with Tiago Guerreiro)  
Funded by FCT

02/2021 - 08/2021

### 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

## Education

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

University of Lisbon

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

## Publications

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

Espada, G., Ingelse, L., et al. (2022). *Data types as a more ergonomic frontend for Grammar-Guided Genetic Programming*. arXiv preprint arXiv:2210.04826.

Ingelse, Leon, et al. *Benchmarking Individual Representation in Grammar-Guided Genetic Programming*. EasyChair (2022): 7821.

## Other activities

### Coordinator | Volunteer

Buurtbuik West | Amsterdam

10/2019 - 09/2020

### Student Ambassador | Leader Creative Committee

International office University of Amsterdam

02/2017 - 08/2017

### Football trainer | Volunteer

Escuela de Fútbol Clotario Blest | Santiago de Chile

09/2016 - 12/2016