



# Felipe Gorostiaga

Computer scientist

- 23 October 1991
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## Education

|           |                                                                                                                                                                                                |                |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 2010–2016 | Licenciatura en Ciencias de la Computación<br>5 years degree, Bachelor of Science.<br>Thesis: <i>Specification and implementation of a certified prototype of Android's permissions system</i> | UNR, Argentina |
| 2017–2018 | Máster Universitario en Software y Sistemas<br>Master's degree.<br>Thesis: <i>Towards a stream-based monitoring language for asynchronous systems</i>                                          | UPM, Spain     |
| 2019–2022 | Doctorado en Software, Sistemas y Computación<br>Doctoral degree.<br>Thesis: <i>Theory and Practice of Stream Runtime Verification for Sequences and Real-Time Event Based Systems.</i>        | UPM, Spain     |

## Experience

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|--------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 2013–2016    | Software Engineer<br>Worked on a large-scale business management system.                                                           | NeuralSoft               |
| 2016–2017    | Technical Lead & Software Architect<br>Led architecture and technical decisions as the team scaled.                                | NeuralSoft               |
| 2017–2022    | Predoctoral Researcher<br>Pursued a PhD in Computer Science focused on formal methods, under the supervision of Dr. César Sánchez. | IMDEA Software Institute |
| 2022–2025    | Postdoctoral researcher<br>Worked as a postdoctoral researcher in the fields of program verification and synthesis.                | IMDEA Software Institute |
| 2025–present | Technical Lead<br>Currently leading the development area in an AI-based agricultural technology company.                           | DeepAgro                 |

## About me

My career spans software engineering, research, and technical leadership.

After beginning my career in industry, I moved to Spain to pursue a PhD in Computer Science, graduating cum laude. My research focused on formal methods, and combined theoretical advances with practical tool development, which led to publications at top-tier conferences and journals. I then returned to industry to apply the same rigor to engineering leadership, improving development processes, software quality, and delivery performance.

I am motivated by solving challenging technical problems while helping engineering teams build reliable, high-quality software.