

Guilherme Augusto Ferreira Lima

gflima.github.io | [Lattes](#)

Education

- 2011–2015 PhD, Informatics, PUC-Rio, Brazil.
Multimedia, formal methods, declarative synchronous programming.
Scholarship from CNPq.
- 2009–2011 MSc, Informatics, PUC-Rio, Brazil.
Multimedia, digital TV, declarative programming.
Scholarship from CNPq.
- 2004–2008 BA, Information Systems, PUC-Rio, Brazil.

Professional Experience

- 2026– now Associate Researcher, PUC-Behring Institute for AI, PUC-Rio, Brazil.
AI, knowledge representation, automated reasoning, NLP.
- 2019–2025 Research Scientist, IBM Research, Brazil.
AI, knowledge graphs, automated reasoning, NLP.
Multiple projects including with US DARPA and NSF.
- 2018 Postdoc, IPVS, University of Stuttgart, Germany.
Fault-tolerance in complex event processing systems.
Scholarship from CAPES.
- 2018 Research Consultant.
A provably-correct interpreter for a synchronous programming language (CÉu).
Project funded by the Serrapilheira Institute, grant Serra-1708-15612.
- 2016–2018 Lecturer, Department of Informatics, PUC-Rio, Brazil.
Logic and programming for CS.
- 2016–2018 Research Associate, Lab. TeleMídia, PUC-Rio, Brazil.
Multimedia, digital TV, declarative programming.
Contributions to the DTV standards ABNT NBR 15606-2 and ITU-T H.761.

Portfolio and Publications

See github.com/gflima and scholar.google.com/citations?user=hMUOKRMAAAAJ.