



# Alejandro Flores Lamas

PhD in Computer Science



Mexico



<https://alexfloreslamas.github.io/>



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## About me

**PhD in Computer Science** with expertise in algorithm analysis and design, actively **seeking opportunities** to advance my research skills and contribute to impactful, high-quality projects. **I am passionate about** conducting innovative research independently and collaboratively, fostering diverse perspectives to broaden the scope and applicability of my work.

## Skills

macOS & Microsoft Windows

Linux

iWork, Microsoft Office &  $\text{\LaTeX}$

Python & NetworkX

Java & R

Ruby, C++, Visual Basic, .NET, Igraph

GitHub & GitLab

Spanish language

English language

German & Italian languages

## Interests

My research interests include **algorithms for graphs**, **approximation algorithms**, **parameterized complexity**, **string constraint algorithms**, and the reconstruction of **evolutionary histories**.

## Education

- 2012-2018 **MSc (2014) & PhD (2018) in Computer Science**  
CICESE Research Center, *Mexico*
- 2007-2012 **BEng Computer Engineering**  
Universidad Autónoma de Zacatecas, *Mexico*
- 2009-2010 **Visiting student (BEng Computer Engineering)**  
University of Manitoba, *Canada*
- 2006-2007 **ESL, English as Second Language**  
University of Belize, *Belize*



## Publications

Please refer to my website at <https://alexfloreslamas.github.io/>. Alternatively, if you would like a comprehensive overview of my credentials, please feel free to request a full CV.

## Research Experience

- 2024-2025 **Research Associate**  
Cinvestav Research Center, *Mexico*
- 2020-2023 **Postdoctoral Research Assistant**  
Royal Holloway, University of London, *United Kingdom*
- 2019-2019 **Research associate**  
The Artificial Intelligence Consortium of CONACYT Public Ctrs., *Mexico*
- 2015-2018 **PhD in Computer Science**  
CICESE Research Center, *Mexico*
- 2010-2012 **Electrical Engineering Council Member**  
CICESE Research Center, *Mexico*



## Teaching Experience

- 2024 Introductory Programming at Cinvestav Research Center, *Mexico*.
- 2022 CS1822/DC1821 catch-up sessions (*Autumn term*) & T.A. of CS1822 (*Spring term*) at Royal Holloway, University of London, *UK*.
- 2022 An Introduction to Parameterized Complexity Theory (online co-teaching, May-August) at CICESE Research Center, *Mexico*.
- 2019 Mathematics for Algorithms (short course), CICESE RC, *Mexico*.
- 2016-2018 T.A. of the Analysis of Algorithms course at CICESE Research Center.
- 2010-2012 Analysis of Algorithms & Discrete Mathematics at CASE-UAZ (The Student Learning Services Center at The Autonomous University of Zacatecas), *Mexico*.

## Grants & Awards

- 2022 SNI candidate level (Early Career Researcher), Mexican National System of Researchers.
- 2012-2018 CONACYT, National Scholarship for Master's studies (2012-2014) & National Scholarship for Doctoral studies (2015-2018).
- 2012 Academic Excellence, ANFEI National Association of Faculties and Engineering Schools.
- 2011 COZCYT, State Scholarship for Bachelor's studies.
- 2009-2010 The North American Engineering Innovation and Training Program.
- 2006-2007 The University of Belize, in partnership with the Ministry of Education, Cultural Science Technology.