

Reynaldo Gil Pons

EDUCATION	Universidad de Oriente, Santiago de Cuba, Cuba <ul style="list-style-type: none">▪ Bachelor in Computer Science Sep 2011 – Jul 2015<ul style="list-style-type: none">• Thesis: Incremental algorithm to compute betweenness• Advisers: MS Adrian Fonseca and BS Mirlayne Campuzano• Topics: Social Networks, Incremental Algorithms, Graphs, Computational Complexity Universidad Central "Marta Abreu" de Las Villas, Santa Clara, Cuba <ul style="list-style-type: none">▪ Master in Computer Science Oct 2016 – Jul 2019<ul style="list-style-type: none">• Thesis: Dynamic algorithm to compute betweenness• Advisers: PhD Leticia Arco• Topics: Social Networks, Dynamic Algorithms, Graphs, Computational Complexity University of Luxembourg, Luxembourg <ul style="list-style-type: none">▪ Phd in Computer Science Feb 2020 – Jan 2024<ul style="list-style-type: none">• Thesis: Analysis of security protocols with security properties based on distance• Advisers: Prof. PhD Sjouke Mauw, PhD Rolando Trujillo-Rasúa• Topics: Security Protocols, Formal Methods, Memory Attestation
RESEARCH EXPERIENCE	Center of Studies of Pattern Recognition and Data Mining <ul style="list-style-type: none">▪ Research Assistant Sep 2015 – Nov 2019 Security and Trust of Software Systems group <ul style="list-style-type: none">▪ Postdoctoral Researcher Feb 2024 – Jan 2025
TEACHING EXPERIENCE	Universidad de Oriente <ul style="list-style-type: none">▪ Instructor Feb 2018 – Feb 2019<ul style="list-style-type: none">• Competitive Programming, Discrete Mathematics University of Luxembourg <ul style="list-style-type: none">▪ Instructor Feb 2020 –<ul style="list-style-type: none">• Theoretical Computer Science I, Security Protocols
PUBLICATIONS	JOURNALS <ul style="list-style-type: none">[1] R. Gil-Pons and M. Ward and L. Miller, "Finding (s, d)-Hypernetworks in F-hypergraphs Is NP-hard", in <i>Information Processing Letters</i>, Aug 2023[2] R. Gil-Pons and S. Mauw and R. Trujillo-Rasua, "On the Optimal Resistance against Mafia and Distance Fraud in Distance-Bounding Protocols", in <i>Computer Communications</i>, Aug 2023[3] R. Gil-Pons and Y. Ramírez-Cruz and R. Trujillo-Rasua and I. Gonzalez Yero, "Distance-based vertex identification in graphs: The outer multiset dimension", in <i>Applied Mathematics and Computation</i>, Nov 2019 CONFERENCES <ul style="list-style-type: none">[1] R. Gil-Pons and R. Horne and S. Mauw and A. Tiu and R. Trujillo-Rasua, "Is Eve nearby? Analysing protocols under the distant-attacker assumption," in <i>IEEE Computer Security Foundations Symposium</i>, Haifa, Israel, Aug 2022[2] R. Gil-Pons, "Space Efficient Incremental Betweenness Algorithm for Directed Graphs," in <i>Iberoamerican Congress on Pattern Recognition</i>, Madrid, Spain, Nov 2018
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none">▪ Bronze and Silver medals at the International Mathematical Olympiad 2009, 2010▪ Participant at the ACM-ICPC Worlds Final Programming Contest 2014, 2015▪ Universidad de Oriente Academic Award 2015▪ Coach at the ACM-ICPC Worlds Final Programming Contest 2018
LANGUAGES	<ul style="list-style-type: none">▪ Spanish: Native, English: Fluent, French: B1, Italian: A2

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