

CONTACT INFORMATION

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SUMMARY

Over the past four years, I have been conducting research in Mathematics and Computer Science, under the guidance of good mentors as the renowned Dr. Felix Gotti. A testament of my dedication, competitiveness, and problem-solving skills has been my participation in various contests, counting among my achievements having been a World Finalist in the ICPC. My primary interests lie in abstract algebra, artificial intelligence, blockchain technology, and theoretical computing.

I also have expertise in various programming languages and technologies. Software development, in particular, appeals to me due to its creative process and the collaborative effort it entails. I love building solutions from the ground up, troubleshooting, and optimizing.

I am eager to explore opportunities where I can contribute to cutting-edge projects. I am particularly drawn to roles that challenge me to think outside the box and work alongside like-minded individuals passionate about making a tangible impact through technology.

EDUCATION

PERIOD	September 2019 — January 2024		
DEGREE	Bachelor of Science in Computer Science		
RANK	Top of the class, golden diploma, outstanding in research and academics		
UNIVERSITY	University of Havana	Havana, Cuba	

PERIOD	September 2015 — May 2018		
DEGREE	High School Diploma		
SCHOOL	Vocational Pre-University Insitute of Exact Sciences Vladimir I. Lenin	Havana, Cuba	

WORK EXPERIENCE

PERIOD	January 2024 — Present Day		
EMPLOYER	Department of Mathematics and Computer Science		
JOB TITLE	Researcher and instructor		
UNIVERSITY	University of Havana	Havana, Cuba	

SCIENTIFIC PUBLICATIONS

(1) *On the set of molecules of numerical and puiseux monoids*
(with Marly Gotti)
In: Rings, Monoids and Module Theory, Springer Proceedings in Mathematics & Statistics book series (Eds. A. Badawi and J. Coykendall). Springer, Singapore. Vol. 382 (2022) 111–125, [doi:10.1007/978-981-16-8422-7-5](#).

(2) *Factorization in additive monoids of evaluation polynomial semirings*
(with K. Ajran, J. Bringas, Bangzheng Li & E. Singer)
Communications in Algebra, Vol. 51:10 (2023) 4347–4362, [doi:10.1080/00927872.2023.2208672](#).

(3) *Subatomicity in Rank-2 Lattice Monoids*
(with C. Liu & P. Rodriguez)
Journal of Commutative Algebra (to appear). Preprint on [ArXiv](#).

AWARDS

2024	World Finalist at the International Collegiate Programming Contest (ICPC)
2022	Bronze Medal at the XXV Iberoamerican University Mathematical Olympiad
2022	Honorable Mention at the International Mathematics Competition for University Students
2021	Bronze Medal at the International Mathematics Competition for University Students
2021	Gold Medal at the Caribbean Finals of the International Collegiate Programming Contest (ICPC)
2020	Bronze Medal at the Caribbean Finals of the International Collegiate Programming Contest (ICPC)
2018	Bronze Medal at the Iberoamerican Mathematics Olympiad
2017	Honorable Mention at the International Mathematical Olympiad (IMO)
2016	Honorable Mention at the Central American and Caribbean Mathematics Olympiad

TEACHING EXPERIENCE

PERIOD	February 2024 — Present Day		
TOPIC	Introduction to Programming with Python		
POSITION	Instructor		
WHERE	Department of Mathematics and Computer Science	Havana, Cuba	

PERIOD	February 2024 — Present Day		
TOPIC	Data Structures and Algorithms		
POSITION	Instructor		
WHERE	Department of Mathematics and Computer Science	Havana, Cuba	

PERIOD	February 2022 — January 2024		
TOPIC	Data Structures and Algorithms		
POSITION	Student Assistant		
WHERE	Department of Mathematics and Computer Science	Havana, Cuba	

PERIOD	May 2019 — August 2019		
TOPICS	Number Theory, Algebra and Combinatorics		
POSITION	Math Instructor		
WHERE	Cuban teams training for international competitions	Havana, Cuba	

TECHNICAL SKILLS

Programming Languages	Python, C#, C/C++, JavaScript, Haskell, Prolog, R (with a higher level of expertise in the first two)
Developer Tools	Git, Docker, Linux Systems
Others	.NET Core, ASP.NET, React, SQL, Keras, spaCy, NLTK, scikit-learn, TensorFlow,

SOFT SKILLS

Fast-learning, critical thinking, problem-solving, creativity, teamwork.

LANGUAGE SKILLS

Spanish	Native Speaker
English	Advanced (Certified by Doulingo English Test)