

Curriculum Vitae

April 28, 2023

PERSONAL INFORMATION

Name: Axi Fabricio Aguilera
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EDUCATION

University of Puerto Rico Ph.D. student in Computing and Information Sciences and Engineering	Mayagüez, PR 2022–currently
University of Puerto Rico M.Sc. in Applied Mathematics, Advisor: Ph.D. Paul Castillo	Mayagüez, PR 2019–2022
Universidad Pedagógica Nacional Francisco Morazán B.Ed. Mathematics	San Pedro Sula, HN 2014–2017

PRESENTATIONS

- Introduction to Convolutional Neural Network. Hackathon UPRM 2023, UPRM, April 22, 2023
- Conservative high order finite differences method for systems of coupled nonlinear Schrödinger equations. Latinx in the Mathematical Sciences Conference 2022, UCLA, July 7, 2022. Poster (first place in the graduate student category)
- Método conservativo para la aproximación numérica de sistemas de Schrödinger no lineales. Coloquio Departamento de Física, University of Puerto Rico at Mayagüez, March 17, 2022. Talk
- Structure preserving-field directional splitting difference methods for nonlinear Schrödinger systems. Escuela Nacional de Optimización y Análisis Numérico, México, August 03, 2021. Talk
- Structure preserving-field directional splitting difference methods for nonlinear Schrödinger systems. Seminario Interuniversitario de Investigación en Ciencias Matemáticas, Puerto Rico, February 27, 2021. Talk

PROFESSIONAL EXPERIENCE

University of Puerto Rico Graduate Research Assistant	Mayagüez, PR 2022–present
University of Puerto Rico TA Mathematics and Math Instructor	Mayagüez, PR 2019–2022
Instituto Tecnológico de Excelencia Educativa Math Teacher	San Pedro Sula, HN 2018–2019
Universidad Pedagógica Nacional Francisco Morazán Academia Sabatina de Jóvenes Matemáticos, Math Olympiad Tutor	San Pedro Sula, HN 2017–2019
Olimpiada Hondureña de Matemáticas Math Olympiad Tutor, Level II	San Pedro Sula, HN 2017–2018

PARTICIPATION IN ACADEMICS ACTIVITIES

Centro de Investigación en Matemáticas Escuela de Matemáticas de América Latina y el Caribe, EMALCA.	Guanajuato, MX 2022
University of California at Los Angeles Latinx in the Mathematical Sciences Conference	Los Angeles, USA 2022
Universidad Autónoma de Santo Domingo Escuela de Matemáticas de América Latina y el Caribe, EMALCA.	Santo Domingo, RD 2022
University of Puerto Rico Course “Enseñanza a Distancia”. 25 contact hours	Mayaüez, PR 2020
Universidad de El Salvador Participation in “Escuela Internacional de Álgebra y Topología”. 40 hours of class	San Salvador, SV 2018
Universidad de El Salvador-Programa Jóvenes Talentos Participation in “Futuros Dirigentes Técnicos Científicos (FDTC)”	San Salvador, SV 2018

MEMBERSHIPS/ORGANIZATIONS

- Society for Advancement of Hispanic/Chicano and Native American in Science (SACNAS)
- Association of Christians in the Mathematical Sciences (ACMS)

REFERENCES

- Available upon request