Salome Perez-Rosero
mperezrosero2@huskers.unl.edu
Research Gate | LinkedIn | 5312299119

EDUCATION:

University of Nebraska-Lincoln, USA **Aug. 2019 – Present**
Ph.D. Student in Computer Science and Engineering (Specialization: AI and Program Analysis/Cybersecurity)
Graduate Teaching Assistant: Data Mining / Data Structure and Algorithms/ Discrete Mathemathics

Northeastern University, USA **Sept. 2015 – Aug. 2017**
Master of Science in Electrical and Computer Engineering (Specialization: Signal Processing and Machine Lerning)
Fulbright Scholarship
Project: Person-Specific Mapping of Physiological Signals into Human Affective Experience.
Augmented Cognition Lab. Advised by Prof. Sarah Ostadabbas
Thesis: Metrics for Stability of Marine Communities in Response to Climate Change.
Machine Learning Lab. Advised by Prof. Jennifer Dy and Prof. Tarik Gouhier

Universidad de las Fuerzas Armadas ESPE, Ecuador **Oct. 2008 – Feb. 2014**
Bachelor of Science in Electronics and Telecommunications Engineering
Project: Event positioning using acoustic signal processing techniques (Lead to 4 publications).
Outstanding student research contribution award.

PROFESSIONAL EXPERIENCE:

Data science course instructor at Handytec EC. **Jan – Aug 2019**
Courses: Python programming and Data Science Foundations.
Lecturer at Escuela Superior Politécnica del Litoral – ESPOL, Ecuador. **May – Sept 2018**
Courses: Stochastic Processes and Introduction to Python Programming.
Atendee at Fulbright Enrichment Seminar: From Lab to Market, Pittsburgh. **May 2016**
Atendee at IEEE Summer School on Signal Processing and Machine Learning for Big Data, University of Pittsburg.
Research Assistant at Tecnológico de Monterrey Scientific Summer Program, Mexico. **Jun – Aug 2013**
Project: "Position Location" in wireless environments

PROGRAMMING SKILLS:

Technical: Python, Matlab, C/C++, Bash Scripting, Spark Apache Parallelization Engine.
IDEs: Android Studio, Arduino, Google Colab, Jupyeter Notebook

PUBLICATIONS:

Perez-Rosero M.S., Rezaei B., Akcakaya M. and Ostadabbas S., 2017, *"Decoding emotional experiences through physiological signal processing"*, IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), pp. 881-885, https://doi.org/10.1109/ICASSP.2017.7952282

Perez M. S. and Carrera E. V, 2015, "*Time synchronization in Arduino-based wireless sensor networks*", IEEE Latin American Transactions, vol.13, no.2, pp. 455-461, https://doi.org/10.1109/TLA.2015.7055564

Perez M. S. and Carrera E. V., 2014, "*Acoustic event localization on an Arduino-based wireless sensor network*", Communications (LATINCOM), 2014 IEEE Latin-America Conference on Communications LATINCOM, pp.1-6, https://doi.org/10.1109/LATINCOM.2014.7041861

AWARDS:

First Place in the IEEE Latin America and the Caribbean regional student paper contest. **Dec. 2014**
Paper: Acoustic Event Positioning on an Arduino-based Wireless Sensor Network
Second Place in electronics and automatization at the First Ecuadorian National Innovation Contest. **May. 2013**
Project: Acoustic Event Localization for Emergency Assistance

SERVICE:

Reviewer at Maskay Technical Magazine, ISSN 1390-6712, Universidad de las Fuerzas Armadas. **2016 – Present**
Volunteer at Women in HPC Great Plains, University of Nebraska Lincoln. **2021**