Contact

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www.linkedin.com/in/luisselvera
(LinkedIn)
ldselvera.github.io/ (Portfolio)

Top Skills

Quantitative Analytics
Data Preparation
Analytic Problem Solving

Languages

English (Native or Bilingual)
Spanish (Full Professional)

Certifications

Intelligence Studies
Splunk 7.x Fundamentals Part 1
Apache Spark (TM) SQL for Data
Analysts
Machine Learning Data Lifecycle in
Production
Spark, Hadoop, and Snowflake for
Data Engineering

Honors-Awards

David – Davila Trevino Memorial
Scholarship
Intelligence Community Center for
Academic Excellence Scholarship
College Completion Challenge
Scholarship
Excellence Scholarship
UTRGV Student Employee of the
Year, 2nd runner-up

Publications

Interpretable Federated Transformer
Log Learning for Cloud Threat
Forensics

Luis Selvera

Machine Learning Engineer at CPS Energy
San Antonio, Texas, United States

Summary

Machine Learning Engineer with experience in researching and
implementing machine learning models and analyzing algorithms
to deliver insights and implement data-driven solutions to solve
complex and diverse problems. Adept at processing, analyzing, and
interpreting large datasets. Possessing an extensive analytical skill,
strong attention to detail, and a significant ability to work in team
environments.

Experience

CPS Energy
Machine Learning Engineer
June 2021 - Present (3 years 4 months)
San Antonio, Texas, United States

• Lead Outage Prediction system impacting enterprise by reducing time to
respond to outage events
• Lead Vegetation Management improving safety and reliability using spatial
analytics to prioritize high risk areas
• Developed and automated monitoring system to visualize machine learning
product performance

Idaho National Laboratory
Cyber Security Intern
June 2020 - June 2021 (1 year 1 month)
Idaho Falls, Idaho, United States

• Evaluated machine learning techniques for analysis of malware and extracted
firmware
• Performed data collection and transformations from various cyber threat
intelligence sources: MISP, Alienvault, Mitre
• Developed Structured Threat Intelligence Graphs for analyzing threat
intelligence using relational graph OrientDB

The University of Texas at San Antonio
Graduate Research Assistant

August 2019 - June 2021 (1 year 11 months)
San Antonio, Texas, United States

• Developed Transformer sequential models for classification, anomaly detection, and intrusion detection
• Developed machine learning models to detect abnormal behavior and threats in cloud systems
• Analyzed and processed semi-structured raw data using advanced querying, visualization and analytics tools

The University of Texas Rio Grande Valley
Teaching Assistant
August 2018 - May 2019 (10 months)
Brownsville, Texas, United States

• Courses: Machine Learning, Algorithms & Data Structures, Computer Architecture, Discrete Mathematics
• Assisted on average 5 students per week by reviewing materials and aiding in assignments
• Assisted students in accomplishing established learning objectives, with a 100% passing rate

Savannah River National Laboratory
Robotics Intern
May 2018 - July 2018 (3 months)
Aiken, South Carolina

• Understanding of hardware and software systems for robotics
• Hands on experience and familiarity with robotic systems
• Presented project results at poster session at Savannah River Site National Lab

The University of Texas Rio Grande Valley
Academic Tutor
June 2017 - May 2018 (1 year)
Brownsville, Texas Area

• Courses: C++, Java, Physics, Calculus, Linear Algebra, Probability & Statistics, College Algebra
• Provided students with one-on-one assistance in order to achieve grade level performance
• Presented five math and computer science workshops on average per semester to academically aid students

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Education

The University of Texas at San Antonio
Master of Science - MS, Computer Science · (2019 - 2021)

The University of Texas Rio Grande Valley
Bachelor of Science - BS, Computer Science · (2015 - 2019)