

# Everardo Olivares

Penitas, TX 78576 • everardo.olivaresvargas01@gmail.com • (956) 222-4814

<https://tinyurl.com/everolivares>

## SKILLS

**Technical Skills:** Python, MATLAB, R, SQL, Excel, Pytorch, Data Analysis, Machine Learning, HTML, C++

**Languages:** Native/Bilingual proficiency in English and Spanish

**Certifications & Licenses:** Property & Casualty TX and MI

## EDUCATION

**University of Texas Rio Grande Valley, College of Natural Sciences**

**Edinburg, TX**

*Masters of Science in Applied Statistics and Data Science*

Exp. May 2026

*Bachelor of Science in Applied Mathematics*

Aug 2016 - Dec 2020

Cumulative GPA: 3.9+/4.0

**University of Texas at Austin, Oden Institute for Computational Engineering and Sciences**

**Austin, TX**

*Doctorate in Computational Science, Engineering, & Mathematics*

Aug 2021- Dec 2022

Leave of Absence

## RESEARCH

**Los Alamos National Laboratory Collaboration**

**Edinburg, TX**

*Graduate Research Assistant*

Aug 2024 – Present

- Working in the Associate Laboratory Directorate of Weapons Production. (ALDWP)
- Analyzing operational/manufacturing constraints imposed by interdepartmental and federal regulations.
- Building risk models to increase production rate of one-shot devices.

**Lawrence Livermore National Laboratory Collaboration**

**Austin, TX**

*Graduate Research Assistant*

Sep 2021 – Dec 2022

- Worked with senior and junior students from the UT VITA research group in collaboration with LLNL.
- We proposed an effective pretrain-and-transfer framework, where sparsification plays a two-fold role at both stages – as a noise-robust feature learning regularizer at pre-training stage, and as a data-efficient learning regularizer at few-shot transfer stage.

**University of Texas NSF LSAMP Summer Research Academy Abroad**

**Oxford, UK**

*Undergraduate Research Assistant*

May 2020 – Aug 2020

- Worked on sparse and low rank regularization for robust deep nets with University of Oxford faculty, Dr. Jared Tanner and his research team.
- Focusing on Sparse Variational Dropout.

**MAA National Research Experience for Undergraduates Program, UTRGV**

**Edinburg, TX**

*Undergraduate Research Assistant*

Jun 2018 – Aug 2018

- Project involved finding exact and numerical solutions for a stochastic Burgers equation with variable coefficients.
- Worked alongside three undergraduate students and three professors.
- Our work was published in a mathematical journal.

## WORK EXPERIENCE

**Fair Trade Outsourcing (FTO)**

**Mcallen, TX**

*Insurance Agent - P&C License - TX & MI*

Jan 2024 – Aug 2024

- Worked as Customer Service Representative for Citizens United Reciprocal Exchange. (CURE)
- Resolved customer policy issues with a quality assessment average of 98%, above office average.

## LEADERSHIP

**Economics and Finance Society UTRGV**

Aug 2017 - May 2020

President

- Organized and led weekly meetings to prepare for the Economics Scholars Program Undergraduate Research Conference held at the Dallas Federal Reserve Bank. Hosted guest speakers led Income Tax Assistance and Financial Literacy Programs in local community volunteer events. (VITA)