

Jose Luis Perez Jr.

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EDUCATION

Bachelor of Science in Systems Engineering, GPA 3.57/4.00(Cum Laude)
Texas A&M International University, Laredo TX

Conferred: 12/09/2021

RESEARCH & PROJECTS

Evaluation of Geo-Mechanical Properties in the Permian Basin | *Senior Capstone Project*

03/2021 – 12/2021

- Investigating, modeling, and interpreting the relationships between the load compression and the growth of the strains of several rock forms using a Digital Image Correlation setup; and creating Artificial Neural Networks

COVID-19 Modeling and Simulation | *Undergraduate Research Project*

08/2020 – 12/2020

- Developed and integrated a machine-learning-based model using MATLAB that can visualize how the spread of COVID-19 has increased over time in every continent

WORK EXPERIENCE

Sales Associate | *H-E-B Grocery Company, LP*

04/2020 – 12/2021

- Ability to combine patience, determination, and persistence within pressuring and fast-paced settings and adapt to any major changes made by the leadership team
- Established to become a fully committed employee by providing the highest possible standards of customer service and a continuous learner to the company
- Focused on possessing a strong commitment to team environment dynamics with the ability to contribute expertise and follow leadership directives at appropriate times

Peer Mentor Lead | *University College, Texas A&M International University*

08/2019 – 12/2021

- Coached and advised over 40+ freshmen students every week and perform peer mentoring and registration assistance
- Enhanced strong interpersonal skills resulting in exceptional rapport with mentees. Proven success in initiating, promoting, and maintaining strong interpersonal relations. Able to deal courteously, professionally, and tactfully within the work setting
- Led the mentoring team during the re-construction phase of the department and developed a 4-week project management plan that creates recommendations for improving the mentoring center

TECHNICAL & COMPUTER SKILLS

Programming

Languages/Frameworks:

C++, HTML5, CSS3,
JavaScript & Python w/
Data Visualization
Libraries: NumPy, Pandas,
Seaborn & Matplotlib

Mathematical

Optimization Techniques:

Decision & Queue Theory,
Dynamic, Goal & Linear
Programming & Markov
Analysis

Simulation, Optimization, and Statistical Packages:

Arena, MATLAB,
LABVIEW, QM for
Windows, MS Excel
Solver, Minitab, MS
Word, Excel,
PowerPoint & Access

Development

Environments:

Atom, Jupyter Notebook &
Visual Studio Code

Modeling and Machine Learning Techniques:

Artificial Neural Networks,
Classification, Deep
Learning, Fuzzy Logic &
Linear Regression

Operating Systems:

MS Windows, Mac OS &
Chrome OS

LEADERSHIP & EXPERIENCE

Active-Participant | **Association of Latino Professionals For America (ALPFA)**

02/2021 – Present

- A current member of a professional development organization.

Active-Participant | **Leadership Academy for Diverse Students in Technology and Engineering**

07/2021 – Present

- Participated in a six-week professional development program hosted by the University of Massachusetts-Amherst

Leadership Ambassador | **Student Orientation Leadership & Engagement (SOLE)**

08/2019 – 05/2020

- Facilitated a cohort of freshmen by preparing and leading bi-weekly workshops that help grasp leadership concepts from the Student Leadership Challenge

Orientation Leader | **Student Orientation Leadership & Engagement (SOLE)**

12/2018 – 08/2019

- Coordinated and facilitated student orientation groups by cultivating an inclusive introduction of the university to incoming freshman and transfer students