

# Lesli D. Perez

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## EDUCATION

### University of Texas Rio Grande Valley, ABET Accredited

GPA: 3.70

*Master of Science in Computer Science*

*Graduated: December 2025*

*B.S. in Computer Engineering, Minor in Asian Studies*

*Graduated: December 2023 GPA: 3.71/4.0*

## EXPERIENCE

### UTRGV College of Engineering and Computer Science

Edinburg, TX

*Research Assistant - MI@UTRGV*

*Sep 2023 – June 2024*

- Analyzed AI and reinforcement learning algorithms to support innovative, data-driven projects.
- Developed and presented a research proposal on autonomous vehicles to CS professors and students.
- Implemented reinforcement learning experiments in Python to enhance recommender system performance.

*Smart Technology Research Assistant - Department of Defense I-DREAM4D Consortium*

*May 2021 – May 2022*

- Developed a multi-laser AM open system that integrates motion stages, sensors, and controllers.
- Added features to legacy code in VS using C# and ActiveX for the machine's translation stages and galvo system.

*System Analyst Support*

*Feb 2023 – Feb 2024, June 2024 – Dec 2025*

- Developed Bash scripts and documentation to automate user account creation with secure first-login password protocols, reducing manual processing by 90%.
- Installed and updated operating systems and software for university-managed computers.
- Created network cables and verified network connections, mapped drives, and connected printers to staff computers.
- Upgraded computer systems from HDDs to SSDs, increasing performance by 2-5x and reducing downtime.

*Undergraduate Assistant (Front-End) - PREM*

*Feb 2020 – May 2021*

- Enhanced UX/UI for the bilingual Energy&U website, an Emmy-winning program, reaching 20,000+ students.
- Produced bilingual ([Spanish](#) and [English](#)) videos presenting nanofiber drug delivery systems to a varied audience with over 3.1K views.

## PROJECTS & ORGANIZATIONS

### UTRGV College of Engineering and Computer Science Capstone Project

Edinburg, TX

*Full-Stack App Developer ([GitHub Link](#))*

*Aug 2022 – May 2023*

- Built Android app in Java with dual API integration that showcased real-time Arduino sensor data via Bluetooth.
- Designed aesthetic and user-friendly app interface with Figma.
- Debugged and improved Arduino and Java code continuously.

### Google Software Product Sprint

Remote

*Participant, Full-Stack App Developer*

*May 2021 – Aug 2021*

- Created a portfolio using HTML and CSS and implemented Google Sign in on an original app named Splice.
- Designed Splice using Android Studio that users use to scan text on a receipt and share expenses with other users.
- Communicated through Asana using Agile methodologies to facilitate work and ensure communication.

### Codubee

Remote

*Codubee Mentee ([GitHub Link](#))*

*Feb 2021 – May 2021*

- Created React components for a website that pairs shelter animals with people looking to adopt.
- Presented feature progress at biweekly stand up and sprint review meetings.
- Documented the Agile project using Jira to delegate work and ensure on-time delivery of application.

*Tau Beta Pi Texas Nu - President, Social Media Manager, Member*

*Dec 2022 – Present*

*Rocket Launchers - Vice President, Telemetry Lead, Public Relations*

*Oct 2019 – May 2022*

*American Society of Mechanical Engineers - Secretary, Historian, IAM3D Team Member*

*Oct 2019 – Aug 2022*

## SKILLS & CERTIFICATIONS

**Programming Languages & Frameworks:** Python, C++, HTML, CSS, JavaScript, Java, Arduino, Front-End & Back-End Development. Exposure to: R and Ruby

**Development Tools:** Jupyter Notebook, Git/GitHub, React, Flutter, SQLite, Jira, Asana, Figma, Miro