

Lesli D. Perez

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EDUCATION

University of Texas Rio Grande Valley, ABET Accredited <i>Master of Science in Computer Science</i> <i>B.S. in Computer Engineering, Minor in Asian Studies</i>	GPA: 3.70 <i>Graduated: December 2025</i>
	<i>Graduated: December 2023 GPA: 3.71/4.0</i>

EXPERIENCE

UTRGV College of Engineering and Computer Science <i>Research Assistant - MI@UTRGV</i>	Edinburg, TX <i>Sep 2023 – June 2024</i>
<ul style="list-style-type: none">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.	
<i>Smart Technology Research Assistant - Department of Defense I-DREAM4D Consortium</i>	<i>May 2021 – May 2022</i>
<ul style="list-style-type: none">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.	
<i>System Analyst Support</i>	<i>Feb 2023 – Feb 2024, June 2024 – Dec 2025</i>
<ul style="list-style-type: none">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.	
<i>Undergraduate Assistant (Front-End) - PREM</i>	<i>Feb 2020 – May 2021</i>
<ul style="list-style-type: none">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 <i>Full-Stack App Developer (GitHub Link)</i>	Edinburg, TX <i>Aug 2022 – May 2023</i>
<ul style="list-style-type: none">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 <i>Participant, Full-Stack App Developer</i>	Remote <i>May 2021 – Aug 2021</i>
<ul style="list-style-type: none">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 <i>Codubee Mentee (GitHub Link)</i>	Remote <i>Feb 2021 – May 2021</i>
<ul style="list-style-type: none">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.	
<i>Tau Beta Pi Texas Nu - President, Social Media Manager, Member</i>	<i>Dec 2022 – Present</i>
<i>Rocket Launchers - Vice President, Telemetry Lead, Public Relations</i>	<i>Oct 2019 – May 2022</i>
<i>American Society of Mechanical Engineers - Secretary, Historian, IAM3D Team Member</i>	<i>Oct 2019 – Aug 2022</i>

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