

Francisco Montano

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EDUCATION

University of Texas at Austin, Austin, Texas Expected May 2026

Ph.D. candidate in Dynamics Systems and Control program.

Rice University, Houston, Texas May 2021

Bachelor of Science in Mechanical Engineering, with Minor in Engineering Design.

Graduating GPA of 3.57/4.00.

RESEARCH & WORK EXPERIENCE

Graduate Research Assistant, Austin, Texas May 2022 – Today

Human Centered Robotics Lab, University of Texas at Austin Austin, Texas

Develop mechanical and structural components for person-carrying robot for contact compliant navigation. Manage and lead team-oriented work tasks for research objectives. Design human-centered exterior for covering compliant navigation robot to allow for safe navigation and personal transportation. Use several manufacturing and rapid prototyping methods to build components for person-carrying robot.

Graduate Teaching Assistant August 2021 – August 2022

University of Texas at Austin Austin, Texas

Delivered a range of teaching activities geared towards the delivery of subjects at undergraduate level. Participated in the assessment process using a variety of techniques and provide effective, timely, and appropriate feedback to students to support their learning. Taught basic principles of mechanical & electrical engineering and mechatronics in a practical setting.

RELEVANT SKILLS

Computer-assisted design (SolidWorks, OnShape, AutoCAD)

Fabrication (Lathe, Drilling, Milling, and CNC machines)

Rapid Fabrication (Laser-cutting, 3D Printing)

MATLAB & Simulink

Bilingual (English and Spanish)