Santiago Pulgarín Correa

(+57) 3226407878 | santiago.pulgarin@utp.edu.co | Pereira, 660005

EDUCATION

Universidad Tecnologica de Pereira Jan. 2019 – Present
B.E. Electrical Engineering Pereira, Colombia

- **Coursework**: Control systems, 3D modeling, Robotics.
- **Degree Project 1**: 3D Printed Educational Plant: Design and Adaptive Control (3D-DAC).

WORK EXPERIENCE

Universidad Tecnologica de Pereira, Automatic Control Lab Mar. 2023 – Present
Monitor Pereira, Colombia

- Professional, scientific and technical activities

IEEE Control System Society Jan. 2023 – Present
Secretary Pereira, Colombia

- Administrative and organizational support.

3D design Diploma April. 2023
Teacher Pereira, Colombia

- Onshape Basic design tutorial.

Universidad Tecnologica de Pereira, book assistant March. 2023
Editor Pereira, Colombia

- Writer and graphic designer of a technical book.

ACADEMIC EXPERIENCE

Automatic Control Research Group Aug. 2022 – Present
Universidad Tecnológica de Pereira Pereira, Colombia

- Automatic Control Lab, Electrical Department

IEEE Jan. 2023 – Present
Universidad Tecnológica de Pereira Pereira, Colombia

- IEEE member
- Control System Society (CSS) member
- Aerospace and Electronic System Society (AESS) member
- Robotic and Automation Society (RAS) member

Automatic Control Research Hotbed Aug. 2022 – Present
Universidad Tecnológica de Pereira Pereira, Colombia

- Automatic Control Lab, Electrical Department

CONFERENCES

IEEE - Control System Society Course April 2023
Universidad Tecnologica de Pereira Pereira, Colombia

- 1st Course: Introduction to LaTeX.
- 2nd Course: Inkscape for LaTeX.
- 3rd Course: Inkscape graph vectoring.

PROJECTS

3D Printed Educational Plant: Design and Adaptive Control (3D-DAC)

- Advisors: Sergio Velarde, Eduardo Giraldo

RESEARCH INTERESTS

- Virtual reality
- 3D printing and design.
- Augmented reality
- Mobile robotics.
- Control and automation.
- IoT.
- Smart Grid
- Aerospace
- Rockets

SKILLS

Languages : Python, Matlab, C++, LaTex
Tools : Notion, GitHub, Visual studio code, Overleaf, Inkscape, Matlab, Simulink, Onshape, PrusaSlicer, 123D design, Fusion 360, AutoCAD