

Santiago Pulgarín Correa

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🔗 <https://santiagopulgarinc.github.io/>

EDUCATION

Universidad Tecnológica de Pereira

BSc. Electrical Engineering

Jan. 2019 – Present

Pereira, Colombia

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

Instituto Técnico Superior

High school degree with emphasis in Mechatronics

Feb. 2006 – Nov. 2018

Pereira, Colombia

- **Coursework:** Academics, electricity and electronics, relays and automation

WORK EXPERIENCE

Universidad Tecnológica de Pereira, Automatic Control Lab

Monitor

Mar. 2023 – Present

Pereira, Colombia

- Professional, scientific and technical activities

IEEE Control System Society

Secretary

Jan. 2023 – Present

Pereira, Colombia

- Administrative and organizational support.

3D design Diploma

Teacher

April. 2023

Pereira, Colombia

- Onshape Basic design tutorial.

Universidad Tecnológica de Pereira, book assistant

Editor

March. 2023

Pereira, Colombia

- Writer and graphic designer of a technical book.

ACADEMIC EXPERIENCE

Automatic Control Research Group

Universidad Tecnológica de Pereira

Aug. 2022 – Present

Pereira, Colombia

- Automatic Control Lab, Electrical Department

IEEE

Universidad Tecnológica de Pereira

Jan. 2023 – Present

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

Universidad Tecnológica de Pereira

Aug. 2022 – Present

Pereira, Colombia

- Automatic Control Lab, Electrical Department

CONFERENCES

IEEE - Control System Society Course

Universidad Tecnologica de Pereira

April 2023
Pereira, Colombia

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

PROJECTS

Design, Construction and Control of a 3D printed Diwheel prototype.

Universidad Tecnologica de Pereira

Jan. 2023 - Present
Pereira, Colombia

- 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