



## Bryan Gutiérrez

Engineering Student  
Mines Paris PSL  
Data & Systems

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## PROFILE

Second-year Engineering student at Mines Paris – PSL (Grande École), in a double degree with the National University of Engineering (Peru). Strong interest in data-driven systems, software engineering, and real-world problem solving. Experience bridging engineering, data, and client-facing environments through consulting and applied projects. Highly motivated to work on high-impact, complex problems in global contexts.

## EDUCATION

- **Mines Paris PSL** 2025-2028  
*Master's Degree in Science and Executive Engineering, 2nd year*  
— Relevant coursework: Automatic Control of Aerospace Systems (TU Delft). Deep Learning for Image Analysis.
- **National University of Engineering (Lima, Peru)** 2020-2024  
*Bachelor of Science in Engineering, specialization in Mechatronics* GPA: 3.5/4
- **Cibertec (Lima, Peru)** 2015-2018  
*Bachelor's Degree in International Business Administration* GPA: 3.8/4  
— Academic Excellence Scholarship – ranked 1st in specialization

## PROFESSIONAL EXPERIENCE

- **FTI Consulting** 2022-2025  
*Junior Consultant - Construction, Projects & Assets* Houston, TX, USA
  - Worked with international clients on large-scale project and asset management solutions.
  - Configured and customized EcoSys platforms to support data-driven decision-making for complex projects.
  - Analyzed project data, supported reporting workflows, and contributed to process optimization.
  - Operated in a client-facing, high-responsibility environment, balancing technical work with communication and delivery constraints.
  - Developed strong autonomy, problem structuring skills, and ability to work under ambiguity.

## PROJECTS & RESEARCH EXPERIENCE

- **Inverse Problem & Trajectory Optimization (Research Project)** Ongoing  
*Centre for Automatic Control and Systems, Mines Paris PSL*
  - 3D MATLAB simulation of a 6-DOF projectile model.
  - Stability analysis, linearization (LTV), and sensitivity analysis using adjoint methods.
- **Robotics & IoT System – Educational Robotic Platform** Sep – Dec 2024  
*National University of Engineering*
  - Developed a robotic system integrating a 6-DOF manipulator controlled via Raspberry Pi 4.
  - Implemented control logic in Python, including servo control (PCA9685) and forward kinematics.
  - Designed a data flow architecture using Node-RED and MQTT for real-time monitoring and remote control.
  - Built a mobile application (Flutter) to visualize system state and interact with the robot in real time.

## SKILLS

**Languages:** English (Fluent) | French (Professional proficiency) | Spanish (Native)

**Programming:** Python, C++, MATLAB

**Engineering & Tools:** Project management tools (EcoSys), Power BI, LabVIEW, AutoCAD, Fusion 360

**Web:** HTML

## INTERESTS

- **Sports:** Football – competitive university level
- **Music:** Bass guitar – university band