



## 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