

# MATEO GÓMEZ BISCHOFF

Mechanical & Aerospace Engineering

+57 312 822 6008 | mateogomezbischoff@gmail.com | linkedin.com/in/mateo-gomez-bischoff | Barranquilla, Colombia

## PROFESSIONAL EXPERIENCE

Engineering Assistant — Bischoff Aerospace Miami, FL • Aug. 2025 – Jul. 2026

Professional internship at a company specializing in certified overhaul of Rolls-Royce and Pratt & Whitney aircraft turbines

- Designed components and functional prototypes through CAD modeling and 3D printing, streamlining technical validation and manufacturing cycles.
- Prepared technical engineering documentation in compliance with aerospace quality and safety standards.
- Automated documentation workflows using n8n, reducing administrative processing time.
- Provided technical support to engineers and technicians in the maintenance and repair of certified turbines.

## FEATURED PROJECT

Boeing Engineering Challenge — Florida International University Second Place

- Co-designed a modular access platform for the Section 41 of a Boeing 787 during Boeing Week at FIU, a competition based on a real aerospace engineering challenge.
- Led the conceptual design and 3D modeling of the solution, featuring adjustable working height to improve safety and efficiency during maintenance tasks.
- Applied principles of mechanical design, industrial safety, and problem-solving within a collaborative, interdisciplinary team environment.

## LEADERSHIP PROGRAMS

Makers Fellowship — Fellow 2026

Highly selective technology-entrepreneurship program for young innovators across Latin America (~1% acceptance rate), focused on building and scaling technology-driven startups

- Selected among hundreds of applicants to join a high-performing cohort; takes part in mentorship and collaborative work with entrepreneurs across Latin America, building skills in product design, idea validation, and startup development.

## EDUCATION

Universidad del Norte — Mechanical Engineering In progress • Barranquilla, Colombia

Florida International University — Mechanical Engineering GPA 3.85 • Miami, FL

Dean's List • Honors College

## TECHNICAL SKILLS

### ENGINEERING

SolidWorks • Fusion 360 • CAD/CAM • 3D Modeling • 3D Printing • Prototyping

### PROGRAMMING

Python • HTML • n8n

### SOFTWARE

Microsoft 365 • Google Workspace • ChatGPT • Claude Code

## HONORS & AWARDS

- Dean's List — Florida International University
- Honors College — Florida International University
- First Place — Colombian Regional Mathematics Olympiad (2022)
- Second Place — Colombian Regional Mathematics Olympiad (2024)
- Second Place — Boeing Engineering Challenge, FIU

## LANGUAGES

Spanish (Native) | English (Bilingual • DET C2) | French (Intermediate • DELF B1) | Portuguese (Conversational)

## VOLUNTEER WORK

Casa Inglar — English Tutor and Supervisor

AGAPE & CIMBRA — Community service programs