GONZALO CORTES

New York, NY 10025 | gonzalocortes.com | Gonzalocortes101@gmail.com

EDUCATION

Columbia University, *GPA:3.7/4.00* New York, NY
- *B.S. Mechanical Engineering; Minors in Computer Science & Aerospace Engineering (SEAS)* **Expected May 2027**
- **Relevant Coursework:** Data Structures, Thermodynamics, Mechanics of Solids, Fluid Mechanics, Data Analytics, Ordinary Differential Equations, Intro to Electrical Engineering, Computer Algorithms, Linear Algebra, Mechanics I
- **Recognitions:** Recipient of A. Peers Montgomery Memorial Scholarship & Columbia University Dean's List (Fall '23)

MAST Academy, *Weighted GPA: 5.231* Miami, FL
- *Magna Cum Laude, National Honor Society, AP Scholar with Distinction Award* **August 2017 - June 2023**

PROFESSIONAL EXPERIENCE

Handshake AI Remote
Model Validation Expert **July 2025 - December 2025**
- Worked with researchers at leading global AI labs to build domain-specific evaluations, review and annotate model outputs, and identify safety risks and failure cases to guide iteration cycles and deployment readiness
- Ranked top 5 out of 350 participants for prompt design, and consistently placed in top 15–20% across multiple projects

Chromie Health New York, NY
Software Engineer **July 2025 - August 2025**
- Spearheaded development of a messaging-driven workflow that reduced scheduling friction by capturing clinician requests, sequencing alternatives, and routing manager approvals: taking the project from initial concept to delivery
- Partnered directly with the CEO to architect the end-to-end process, ensuring the system scaled with clinic growth and remained intuitive for staff, while successfully launching an MVP under a compressed timeline
- Engineered and deployed a Twilio-based SMS interface with Flask and PostgreSQL, enabling real-time scheduling updates that cut communication delays and boosted clinician-manager coordination

Kimberly-Clark Mexico City Metro Area, MX
Data Engineer **June 2025 - July 2025**
- Audited three plants to identify process gaps, uncovered inefficiencies in downtime and scrap tracking across equipment
- Developed Python programs on each machine's PC to parse locked Excel logs, transmit data via Ethernet into a centralized SQL pipeline, and eliminate reliance on fragmented spreadsheets
- Delivered interactive dashboards and real-time reporting tools, giving managers cross-plant visibility into production, downtime, and quality metrics: accelerating decision-making and reducing reporting delays

Mastec Civil Miami, FL
Civil Engineer **June 2024 - August 2024**
- Created detailed quantity takeoffs and cost breakdowns in the estimating department, identifying opportunities to minimize costs through innovative material reuse strategies and refined budget adjustments
- Assisted field engineers on a large-scale highway project, traveling site-wide for real-time problem resolution

PROJECTS AND ACTIVITIES

Rowing **August 2019 - Present**
- NCAA Division I Varsity Lightweight Crew Team; chosen to stroke the 1st Varsity Boat of Columbia University
- Dedicate 40 hours per week to practice, conditioning, competition, and meetings while balancing a full course load
- Four-time USA National Medalist; ranked #1 U19 Rower in Mexico
- Represented Mexico at U19 World Championships (Varese, Italy) & won Bronze at Canamex Regatta (London, Canada)

Mountain Bike Build and Assembly **June 2022 - September 2022**
- Built a custom mountain bike from the frame up, sourcing and installing drivetrain, braking, and suspension systems; developed persistence and problem-solving skills while ensuring mechanical performance and safety

Poker Game (Java, End-to-End Development) **May 2024**
- Programmed an interactive poker game in Java, focusing on creating a dynamic user experience with real-time gameplay, which refined my expertise in object-oriented programming and user interface design

SKILLS, CLUBS, AND INTERESTS

- Python, Java, SQL (PostgreSQL, Microsoft SQL Server), Flask, Excel, Twilio, Spanish (Native)
- Columbia Space Initiative, Columbia University Formula Racing, Columbia University Airplane, Sigma Nu Fraternity
- Columbia Bartending Agency: Completed certification course, and earned an invitation to join the Mixology Roster
- Triathlons (Completed IRONMAN 70.3), Cycling (road & mountain), Skiing, Travel, Football, Scuba Diving