

# Hector Montilla

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## OBJECTIVE

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Master's student in Civil Engineering with a focus in Construction Engineering and Management seeking a full-time position in the construction industry upon graduation in May 2025. Eager to contribute to a team environment and learn from experienced professionals.

## EDUCATION

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**MS in Civil Engineering** | Virginia Tech (Blacksburg, Virginia, United States) Graduating May 2025

- Master of Science in Civil Engineering (MSCE) with focus in Construction Engineering & Management (CEM).

**Bachelor of Engineering in Civil Engineering** | ESPOL (Guayaquil, Ecuador) Graduating September 2024

- Bachelor of Engineering (BE) in Civil Engineering, accredited by ABET and EUR-ACE.
- Exchange semester at Barcelona School of Civil Engineering (BarcelonaTech), Spain.
- **Extra-curricular:** Undergraduate Research Assistant.
- **Extra-curricular:** Member of the ASCE ESPOL Student Chapter, ACI ESPOL Student Chapter and IAHR ESPOL Student Chapter.
- **Extra-curricular:** Member of the Projects Department of the Sustainable Development Club of ESPOL.
- **Leadership:** Director of the International Relations Department of the ACI ESPOL Student Chapter.
- **Leadership:** Vice-President of the Student Association of the School of Engineering in Earth Sciences.

## WORK EXPERIENCE

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**Graduate Assistant (GA)** | Virginia Tech (Blacksburg, Virginia, United States) Jan. 2024 - Present

- Graduate Assistant at the Vecellio Construction Engineering and Management Program (VCEMP).
- Assistant organizer of the 2024 ASCE Virginias Student Symposium, hosted by Virginia Tech.
- Creation and management of the LinkedIn profile of the Vecellio Construction Engineering and Management Program.

**Teaching Assistant (TA)** | ESPOL (Guayaquil, Ecuador) Oct. 2021 – Present

- TA in: Foundation Engineering (*senior*), Soil & Rocks Mechanics (*junior*), Statics (*sophomore*) and Topography (*junior*).
- Creation (*including their rubrics*) and grading of assignments, workshops, lessons, and exams.
- One-hour lectures per week, plus office hours.

**BIM Modeler** | CVA Consulting Group (Guayaquil, Ecuador) Sep. 2023 – Jan. 2024

- Help designers in the pre-design process, help in site visits to the designer.
- Design of beams using ETABS for later modeling in Revit.
- Help the chief technician in the drawing of plans for the final review and delivery of the project.

**Engineering Assistant** | DAVIMEN S.A. (Guayaquil, Ecuador) Sep. 2023 – Nov. 2023

- Laboratory and field data processing (ASTM D422 and ASTM D4318).
- Creation of soil survey reports for delivery to the client.

**Survey & Architectural Drawing Intern** | Ecuador National Police (Guayaquil, Ecuador) Mar. 2022 – May 2022

- Intern on the project: *Survey of architectural plans of all existing buildings on the grounds of the Special Operations Group.*
- In situ measurements of the buildings for the later processing of the information and drawing and lamination of the as-built drawings.

## SKILLS

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### Technical Skills

- Advanced: Excel, ETABS, Revit, SAP2000, AutoCAD, Word, PowerPoint.
- Basic: ArcGIS Pro, MATLAB, Python, Civil 3D, SAFE.

### Languages

- Spanish: **Native**
- English: **C1** (TOEFL: 105/120)
- French: **A2** (DELF: 91/100)
- German: **A1** (ESPOL: 97/100)

## VOLUNTEERING EXPERIENCE/COMMUNITY SERVICE

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**Volunteer Staff** | ESPOL (Guayaquil, Ecuador) Feb. 2022 – Present

- Active Member of the ESPOL student volunteer program dedicated to helping homeless pets.
- Donor, recipient of donations and collaborator in the specific cases of at-risk pets dealt with by the volunteer program.

**Mentor** | Polytechnic Wellness Unit – ESPOL (Guayaquil, Ecuador) Oct. 2021 – Feb. 2022

- I participated as a mentor in the Mentoring and Rookie Induction Program organized by the Polytechnic Wellness Unit of ESPOL.
- I guided a first semester student of Civil Engineering in her first steps in university life.

## AWARDS & RECOGNITIONS:

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**3<sup>rd</sup> Place – ConstruHack** | International Finance Corporation, Inter-American Cement Federation, and EDGE Mar. 2024

- Third place in ConstruHack, the first hackathon for efficient and resilient housing construction in Latin America, with the project *Buenaventura Green Towers*.