**Education**

**Colegio Los Nogales, Bogotá, Colombia (2010-present)**

* **GPA**: 4.18/4.0 (weighted)
* **Notable Advanced Coursework:** AP English Language and Composition (5), AP Seminar (5), AP Macroeconomics (5), AP Research, AP Calculus AB, AP Physics C Mechanics, AP Computer Science A.
* **Eligible for AP Capstone Diploma**

**Innovacol Python and Machine Learning Bootcamp (2021)**

* Improved programming abilities in Python by learning how to web scrape information from the Internet and build machine learning models. Developed a machine learning model that could detect fake news.

**Institute of Asian Languages | Japanese (2020)**

* Enrolled in classes with the purpose of deepening my understanding of Japanese language and culture. Achieved pre-intermediate proficiency. Furthered my studies independently.

**Work Experience**

**Innovacol Python Bootcamp Instructor (Summer 2021)**

* Designed and taught a free Python bootcamp for students across Latin America interested in learning both basic and intermediate level Python skills, with the purpose of aiding Latin America to move towards a more innovation-based industry. Developed public speaking and educational skills.

**Internship at Universidad de los Andes | Biomedical Engineering (Summer 2022)**

* Helped develop a machine learning model that could detect both tissue type and cancer presence from RNA transcriptomic data. Aided in the writing process of an academic paper describing the project and the findings. Collected data from the state-of-the-art, produced key graphics, programmed PCA reports, and gathered other necessary information for a research development. Gained research, coding, investigation, analytical, and data science skills.

**Extracurricular Activities**

**School House Captain (2022-Present)**

* Organize and direct sport, artistic, cultural, and academic events through innovation and problem solving. Work for change and improvement in various areas at Colegio Los Nogales while setting an example of school values for the community. Act as the representative voice for students. Have gained leadership, marketing, event organization, time management, writing, data management, and interpersonal skills.

**Math Saves the World Project Co-President (2021-Present)**

* Co-direct the Math Saves the World project with the purpose of creating a math textbook with problems based on investigation regarding the United Nations’ Sustainable Development Goals. Act as team leader and project manager. Participated in various project contests, achieving various recognitions at the worldwide level. Collaborate with schools around the world, such as in Bogotá, Cali, and Tokyo. Have gained leadership, educational, and investigative skills. Have learned about current problems in Colombia and the world.

**Math Club Founding Member (2019-Present)**

* Helped create the Colegio Los Nogales Math Club. Created activities to make math fun for everyone (e.g., math escape room) and implement them in the classroom. Solve and discuss difficult math problems to develop skills for math olympiads. Prepare lessons on interesting mathematical topics. Have developed mathematical and creative skills.

**Saxophone (2012-Present)**

* Engage in musical activity through playing the saxophone. I have taken classes, studied, and deepened my knowledge independently. I take part in contests, recitals, and galas. Have performed at events, both solo and with various orchestras. Have gained musical skills, knowledge, and deep appreciation for the instrument and music‌ as a whole.

**Basketball Varsity Team (2012-Present)**

* Play mainly in shooting guard position, showing dedication, love for sport and the team, and determination to aid in the team’s victory in tournaments. Have gained sportsmanship and teamwork skills.

**Programming Club (2019-2020)**

* Taken part as an active member, working on deepening my programming ability in various languages, solving programming challenges, and developing projects. Also took part in programming olympiads. Led the programming club during COVID-19 quarantine to remain active virtually. Gained coding and problem-solving skills.

**Model UN (2021)**

* Prepared for and debated in Colegio Los Nogales Model UN as a delegate. Gained valuable experience in research, debating skills, public speaking, critical thinking, and teamwork to address global challenges.

**Martial Band (2021-Present)**

* Participate as a drummer in this organization of 115 members. Prepare a 30-minute presentation of music, choreography, and coordination displayed in various competitions. Have gained musical and interpersonal skills.

**Social Service**

**Alianza Educativa (2021)**

* Reinforced and ensured student understanding through the means of virtual tutoring. With most public-school students in Colombia not attending school, the provided tutoring ensured that students were completing their coursework and actually learning. Acquired skills in teaching through innovative means, social skills, and a broader understanding of inequalities in Colombia.

**Generación Refra (2021)**

* Created a video tutorial to provide education on chess for rural-school students in Colombia.

**Social Service Extracurricular Group (2019-2021)**

* Lead, designed, and took part in social service project creation and organization. Gained leadership skills.

**Languages**

**Spanish** (Native), **English** (Near-native), **French** (Intermediate), **Japanese** (Pre-intermediate)

**Awards and Recognitions**

Colegio Los Nogales Diploma of Academic Honor, Top 3 GPAs 2011-2022

Colegio Los Nogales Diploma of Character Honor, Character Education Award 2019 & 2022

Colegio Los Nogales Musical Soloist Competition, 1st Place 2016, 2018, 2019, 3rd Place 2017

Colegio Los Nogales House Captain (Recognition of an accomplished trajectory at school), 2022

Published Author for AP Capstone Work, 2022

Universidad Antonio Nariño Math Olympics, Semi-Finalist 2020-2022, Finalist 2022

University of Waterloo Cayley Math Olympics, Certificate of Distinction 2021

Colegio Abraham Lincoln 9th Youth Mathematics Summit, Invited Speaker 2021

Universidad del Rosario & Colegio La Montaña Youth for the SDGs Competition, 1st Place 2021

GSL Global Goals Competition, Semi-Finalist/Impact Commendation Finalist and Award Winner 2022

Innovacol Bootcamp Machine Learning Model Contest, 2nd Place 2021

Colegio Los Nogales Model UN, Best Delegate Award 2021

UNCOLI Basketball Mayores, 2nd place 2021-2022 Season

ASOCOLDEP Basketball Mayores, 3rd Place 2022 Season