

Andrés Camilo Zúñiga-González

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SKILLS

- R, Python, Bash, SQL, Java, JavaScript, HTML5, CSS, LaTeX, Spark, Git, Docker, API REST, AWS, ArcGIS and QGIS.
- Data analysis and visualisation, machine learning and web development
- Teamwork, group and project management, public speaking and technical writing

EDUCATION

University of Cambridge, UK

- PhD in AI for Environmental Risk (AI4ER) | present
- M.Res. Environmental Data Science | 2023

Universidad de los Andes, Colombia

- M.Sc. in Biological Sciences - Biology Focus | 2019
- B.Sc. in Biology | 2016
- B.Sc. in Microbiology | 2016
- Minor in Geography | 2016

LANGUAGES

- Native Spanish
- Fluent English (IELTS C1)
- Limited proficiency in French and Portuguese

Data Scientist with 4 years of experience using machine learning, computer vision, and remote sensing to solve complex problems. A curious and adaptable problem-solver with a proven ability to transfer deep technical skills across domains, including real estate and urban planning. Eager to apply this expertise to new industry challenges. Currently a PhD candidate in AI for Environmental Risk at the University of Cambridge.

Last updated October 2025

EXPERIENCE

University of Cambridge, UK

PhD Researcher | Oct 2023 - present

Research on the effect of green infrastructure on cities using machine learning techniques on airborne imagery and population data.

Teaching Supervisor | Oct 2024 - present

Supervise small groups of students on maths and programming.

Research Assistant | Feb 2025 - Mar 2025

Developed a web-based tool for analysing room occupancy across the university campus

DataLeik, Colombia

Data Scientist | Dec 2021 - Aug 2022

Develop machine learning models for customer segmentation and duplicate detection for Home Capital, a proptech. Deploy web applications via cloud services.

Data Analyst | Aug 2021 - Dec 2021

Built web scrapers of real estate marketplaces for further integration in a DBMS. Develop interactive visualisation tools for data exploration and modelling.

Universidad de los Andes, Colombia

Research Assistant | Aug 2017 - Feb 2022

Worked on Bayesian modelling of carbon-14 dates of volcanic eruptions and human settlements. Research on environmental DNA and chemical markers of high-altitude wetlands from Colombia.

Teaching Assistant | Aug 2017 - Jun 2021

Taught courses in using R and the Linux Command Shell in statistical analysis in research. Developed weekly lectures, activities and exams geared towards students from engineering and science majors.

Cornell University, USA

Research Assistant | Jun 2016 - Aug 2016

Worked at the Bergstrom Lab in the modelling and statistical analysis of the epidemiological assessment of the Switchgrass Head Smut in the State of New York.