Andrés Barrera

Vienna, Austria | US Citizen | barrera_andres@student.ceu.edu | +1 (210) 585-6279 | linkedin.com/in/drebarrera

My areas of interest are migration & settlement, economic opportunity & access, and data informed innovation. I'm looking for a Spring 2027 internship opportunity where I can build the systems behind the data (pipelines, sensors, dashboards) and apply data-driven discovery in the field: understanding the network of people & infrastructure behind a social problem to help programs, organizations, & policy decide where to focus development & innovation efforts.

Education

Present | **Central European University - Vienna, Austria**

MSc in Social Data Science, Department of Network and Data Science

Relevant Coursework: *Population Futures (demographic methods), Computational Social Science, Network Science, Social Networks, Applied Statistics, Data Mining & Machine Learning, Data & Network Visualization*

2022 | **Purdue University - West Lafayette, Indiana, USA**

BSE in Computer Engineering

Professional Experience

Jul 2025 - Mar 2026 | **GTM Engineer, DevDocs - San Francisco, California, USA / Remote from Latin America**

- Rebuilt sales data and automation architecture, analyzing 80+ sales deals for keywords associated with DevDocs' services, revenue patterns, & positioning gaps.
- Developed 220+ pages of developer and user-facing documentation for DevDocs' client, C3 AI, covering production applications, software architecture, system prerequisites, and operational monitoring.
- Brought in over $230k in revenue over 5 months working with a small sales team.

Jul 2023 - Present | **Founder / Engineering Consultant, CircleSquare Labs - Austin, Texas, USA / Remote (Global)**

- Founded an engineering consulting company & built a contractor network for when projects require a full team.
- Consulted 6+ companies on software architecture, UX, product design, AI integration, & technical documentation.

May 2023 - Present | **President, Hispanic Hackers - Austin, Texas, USA / Remote**

- Established the organization's 501(c)(3) status & scaled to 2,700+ members, growing membership 150+/yr.
- Led a cohort of 14 early career developers and entrepreneurs through a free 12-week product development bootcamp designed to bridge the gap between coding concepts and market-ready product development.
- Produced and directed 45+ community events spanning networking, mentorship, and technical education.

Sep 2024 - Jun 2025 | **Python Instructor, Premier High School via CodeStream Studios - Austin, Texas, USA**

- Taught 13 students over a full school year; 53% of whom expressed interest in leading a technical career.
- Expanded curriculum to include advanced topics, incorporating IEP accommodations for student disabilities.

Jun 2022 - Jul 2023 | **Software Engineer, Fathom5 - Austin, Texas, USA**

- Developed R&D systems and dashboards by implementing microservice architecture, telemetry, and DevSecOps.
- Designed and integrated electrical systems, CANBUS, rotary encoders, and peripherals in electric motorbikes.

May 2020 - Aug 2020 | **Engineer Intern, Leak Location Services, Inc. - Field Work, USA**

- Deployed sensing equipment at mines, landfills, and refineries under strict regulations and harsh conditions.
- Redesigned their 1980s-era device for modern use and mapped detected anomalies using GPS and MATLAB.

Skills

Programming	Python, SQL, TypeScript, Go, R
Frameworks	React / Next.js, Express.js, Django, FastAPI, LangChain
Data Collection & ML	Selenium, n8n, scikit-learn, Hugging Face, Ollama, LLM APIs (Anthropic, OpenAI)
Data Infrastructure	AWS, Docker, Kubernetes, PostgreSQL, MongoDB
Spoken Languages	English & Spanish (bilingual), German (A1), Arabic (A1)