Nicolas Esgeb Reyes

Computer Science MSc Graduate (2025)

- ✉ nico.esg.rey@gmail.com
- 📞 +44 7782 138497
- 📍 Bristol
- 📄 Eligible for UK Graduate Route (post-study). Awaiting official award in Nov 2025 to apply — no sponsorship required.
- 🔗 https://nicoesgeb.github.io/
- ⌾ github.com/NicoEsgeb

🪪 PROFILE

Former civil/mining engineer, now a **recent MSc Computer Science graduate from the University of Bristol (2025)**. Passionate about turning ideas into working software; strengths in **C, C#, Java** and collaborative Agile delivery.

🌐 LANGUAGES

Español
Native
● ● ● ● ●

English
C1 - IELTS 8.0
● ● ● ● ○

🧠 SKILLS

Languages/Engines
C, C# (Unity), Java

Web
JavaScript, HTML, CSS

Cloud/Tools
Azure, Git, REST APIs, SQL, Agile

🪪 CERTIFICATES

- IBM Getting Started with AI ⧉
- IBM Granite Models for Software Development ⧉

🎓 EDUCATION

MSc Computer Science
University of Bristol
2024 – 2025 | Bristol, United Kingdom

General English Programme (C1 Level)
English Language Academy, University College Dublin
2022 – 2024 | Dublin, Ireland
Completed three 25-week intensive English programmes. Focus on academic and professional English. Achieved IELTS 8.0 (C1).

Civil engineering in Mining
Pontifical Catholic University of Valparaíso
2015 – 2021 | Valparaíso, Chile

💼 PROFESSIONAL EXPERIENCE

IBM
Project Intern
Jan 2025 – Sept 2025 | Bristol
- Built a Unity/C# VR conversational-AI prototype integrating **Watson Assistant** (REST/JSON) for live STT/TTS NPC dialogue; shipped a demo used in client reviews.
- Implemented a clean API client, request batching, and lightweight caching, cutting average response time by **~30%**.
- Secured secrets via environment encryption and documented the setup for teammates.

GEODATOS S.A.I.C.
Geophysical Data Processing Engineer
2021 – 2022 | Santiago, Chile
- Processed field datasets from **magnetometry, electrical resistivity tomography (ERT), seismic surveys**, and **downhole/well sensor profiles**, applying QA/QC, filtering, and standard workflows.
- **Interpreted** processed results to delineate subsurface structures, anomalies, and targets; reconciled findings across multiple methods to increase confidence.
- **Authored final client reports** with clear methodology, processing steps, interpretations, maps/sections, and recommendations.
- Performed **field acquisition** for exploration campaigns.

📁 PROJECTS

PengWings game
Jan 2025 – May 2025
2D side-scroller (p5.js, HTML/CSS), **Jan – May 2025** — Led background mechanics and UI; shipped polished art/UX.

FantasyRadio
Web App – HTML, CSS, JavaScript
Ambient web radio (HTML/CSS/JS) — Built a small SPA with custom styling and player