Jack Griffiths Rico
Computer Science Graduate

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30 Bentham Road, Brighton, BN2 9XD

Native Languages: English, Spanish & Catalan

EDUCATION

- **Universitat Politécnica de Catalunya** — Barcelona, Spain
  Bachelor's Degree in Computer Science — *Sep. 2020 – June. 2024*

- **Oak House School** — Barcelona, Spain
  Secondary & Sixth Form Education; University Entry Score: 10.820/14 — *Sep. 2014 – June. 2020*

WORK EXPERIENCE

- **Ernst & Young Spain** — Barcelona, Spain
  SAP Basis Intern — *Nov. 2023 - June. 2024*
  - Carried out daily system checks, updates, and troubleshooting for client SAP environments, including job scheduling and database log/backups management. Collaborated with cross-functional teams in a fast-paced environment, gaining experience in structured workflows, client communication, and enterprise-grade system operations.

  Supporting reference letter available upon request.

- **SALBCN** — Barcelona, Spain
  International Football Tournament Coordinator — *Oct. 2022 - June. 2025*
  - Responsible for ensuring games ran smoothly by managing pitch-side logistics — checking schedules, coordinating with referees, and ensuring teams were ready and fields were set.

  Supporting reference letter available upon request.

- **Oak House School** — Barcelona, Spain
  Children's Summer School Monitor — *June. 2021 - Aug. 2021*
  - Supervised and assisted students during activities, ensuring safety and engagement in an educational summer programme.

PROJECTS & PUBLICATIONS

- **cs2analyzer.com** — Barcelona, Spain
  Concept, Design & Back-end Developer — *July. 2025 - Present*
  - Developed a full-stack web application from scratch to analyse CS2 skin patterns (popular video game skins) using React.js for the front end and Express.js for the back end. Deployed on an Oracle Cloud VPS using NGINX for reverse proxy and static handling, with images served via CDN for performance.

- **Exploring Cross-network Applications For A LoRa Mesh Network** — Barcelona, Spain
  Bachelor's Thesis (Accepted for Publication, IEEE ISCC 2025), Full-Stack IoT System — *Feb. 2024 – June 2024*
  - Designed and developed a full-stack IoT system enabling real-time querying and monitoring of LoRa mesh nodes. Programmed node firmware in C++, built a React.js interface for user interaction, and implemented a Grafana + InfluxDB monitoring stack. Containerized with Docker for streamlined deployment. Research was published and presented at SAIA-2025 during IEEE ISCC 2025.

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, C++, SQL, Java, HTML, CSS

- **Technologies**: React.js, Node.js, Express.js, Grafana, InfluxDB, Vite, Docker, Nginx, LaTeX

Skills

- **Multilingualism**: Growing up in a bilingual household and attending a trilingual school allowed me to achieve full proficiency in English, Spanish & Catalan. Studied German as a fourth language.
- **Research Skills**: Conducted intensive research on creating a local raspberry pie server during a two-year project, which was later presented to a panel board in the final year of secondary school.
- **Problem-solving**: Developed a strong aptitude to solve problems from puzzles, mystery books and treasure hunts throughout my youth, which enabled me to become an effective problem solver.
- **Adaptability**: Successfully relocated to a new city and transitioned to a new school with a different common language at age 11. This experience made me realise how important it is to adapt to new situations and face them with a positive attitude in order to thrive.
- **Leadership and Patience**: Developed leadership skills and patience while tutoring and preparing lessons for a 17-year-old to successfully pass the English section of the Spanish university entrance exam (EBAU). These skills proved very useful for university group project work.

Interests

- **Coding**: Over five years of experience in object-oriented programming, currently learning web-oriented programming.
- **Video & Photo Editing**: Spent three months editing videos for an online video course.
- **Sports**: Football - I'm a member of an 11-a-side and 7-a-side team. Cycling - I cycle almost everywhere, and recently started to go on long-distance rides.
- **Fitness & Nutrition**: I have always enjoyed cooking, and recently I have developed a great interest in studying diet and fitness regimes in order to improve my health.