



Joan Ratés i Mas

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About Me

I am a Telecommunications and Information Technologies Engineering student with strong passion for technology, programming and solving real-world problems while developing my technical skills.

Throughout my academic journey, I've gained experience in software development skills, networking and system administration, and i want to try myself in a professional environment. I've worked with tools like Python, C, Git, Linux, SQL, Ladder logic, TIA Portal or SCADA. I enjoy learning new technologies and expanding my skill set in areas such as cybersecurity and cloud computing.

I'm a proactive, curious and method-oriented person who sees challenges as opportunities to grow.

I'm currently open to internships or junior opportunities in the tech field where i can apply my knowledge and contribute to impactful projects.

Education

BD	UPC Manresa , Computer systems, networking and Telecommunications – Manresa, Barcelona • Awarded Honors in over 30% of subjects	Sept 2022 – present
Full stack open	University of Helsinki , Full stack development – online	June 2025 – present
CFGS	EDN Navàs , Industrial Robotics and Automation – Navàs, Barcelona CFGS on automation with softwares like TIA Portal or Omron, programming autonomous conveyor plants or robotic arms from STÄUBLI • Ranked 1st out of 35 students	Sept 2020 – June 2022
BD	FIB UPC , Computer Science – Barcelona, Catalunya Unfinished after assisted for two years	2018 – 2019

Experience

Summer Intern	Deister Software – Manresa, Barcelona • Trained in JS programming and API REST implementation	June 2025 – present
Automation Technician	eProject4 – Berga, Barcelona • Completed internship as part of Higher National Diploma (CFGS) program • Industrial and Autonomous systems technician • Offered and accepted full-time contract upon successful completion of internship	Sept 2020 – June 2021
Parttime Tutor	Còbuc SCP – Berga, Barcelona	Jan 2023 – June 2025

provided personalized tutoring in Mathematics and Science for students aged 12-18, helping improve academic performance and study skills

Skills

Programming: Proficient with Python, C; Good with JS

Web knowledge: Good at Understanding Web and web app development

ToolKit: Good at Git control and Node.js enviroment

Languages: English (fluent), Catalan (native), Spanish (bilingual)

Extracurricular Activities

- Co-Founder and treasurer of PUCRAM, a UPC Manresa vinculated entity where we are involved in robotics competitions.
- Co-founded and perform as trumpet player in "Entrompats," a street band formed with friends, engaging audiences in live street performances
- Grew up as an active member of the Sant Llorenç de Morunys Scout Group and eventually became a group leader, developing strong leadership, organizational, and teamwork skills

Personal Details

Birth Date: 2000-05-08