

# Pol Casacuberta

COMPUTER SCIENTIST

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“Stand on the shoulders of giants.”



## Summary

**Computer Science Engineer** specializing in AI, data science, and machine learning. Proven experience in data analysis, report development, and innovative AI solutions. Passionate about leveraging technology to drive impactful results and committed to continuous learning and professional growth.

## Education

### UPC at Facultat d'enginyeria informàtica de Barcelona (FIB)

COMPUTER SCIENCE AND ENGINEERING DEGREE

Barcelona, Spain

Mar. 2019 - 2023

### Cambridge

ENGLISH CERTIFICATE AT C1

Barcelona, Spain

June. 2019

## Skills

<b>Programming Languages</b>	C, C++, Java, Python, Assembly (x86, MIPS), SQL, MySQL, Prolog, Haskell, CLIPS, PDDL, Powershell
<b>Data Analysis</b>	Statistics, Data Mining, Machine Learning, Supervised Learning, Probability, Big Data
<b>Artificial Intelligence</b>	Computer vision, Search Algorithms, Knowledge-Based Systems
<b>Computation</b>	Algorithms, Algorithms analysis, Dynamic Programming, Theory of computation, Mathematical logic
<b>Version Control</b>	Git, Github, Gitlab
<b>Tools and IDEs</b>	JetBrains, VScode, Vim, doxygen, Jupyter notebook, Google colab
<b>Network Management</b>	Cybersecurity, Network Administration, Cisco Routing
<b>Web Development</b>	HTML5, JavaScript, User Interface Design
<b>Other Languages</b>	OpenGL, PIC Microchip, Software Architecture, Parallel Processing, Business Economics English (fluent), Spanish (native), Catalan (native)

## Experience

### Deloitte

AI & DATA CONSULTANT

Barcelona, Catalonia, Spain

Sep 2025 - Present

- Led a multidisciplinary team to design and deliver AI and Data-driven use cases for public sector initiatives.
- Worked on the Generalitat de Catalunya project, focusing on Data Governance, client relationship management, and consulting strategy.
- Gained hands-on experience with industry-standard tools such as Informatica, AWS, and Azure, applying them in real-world data management solutions.

### MGS, Seguros y Reaseguros S.A.

DATA ENGINEER

Barcelona, Catalonia, Spain

Sep 2023 - Sep 2024

- Championed predictive analytics, robust data governance, and optimized ETL processes, enhancing data quality and efficiency.
- Drove a 20% increase in report accuracy and delivered impactful visualizations with Python, R, SQL Server, and PowerBI.
- Crafted dynamic dashboards for real-time KPI and business metric monitoring, enabling informed strategic decisions.

### Winner of bitsxlaMarató TV3 Hackathon 2022

SOFTWARE DEVELOPMENT ENGINEER

Barcelona, Spain

Jan 2022

- Developed an aneurysm detector based on a convolutional neural network using MaskRCNN for cardiovascular health.
- Won the bitsxlaMarató TV3 Hackathon 2022 for this project.
- Designed and implemented a user-friendly interface for uploading any video and detecting the aorta, as well as visualizing the 3D model.