

Jaime Gonzalez Garcia-Bernardo

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SUMMARY

Imperial College London Engineer with experience in Strategy Consulting and extensive knowledge of Computer Programming, AI and Data Science

EDUCATION

Imperial College London

September 2014 – June 2018

- *Master of Engineering in Mechanical Engineering* - Graduated with Upper Second Class Honours
- Business-related modules: Economics for Business || Technology, Business, and the Market || Technical Presentation Skills || Statistics || Management for Engineers
- Member of the Imperial College Consultancy Society

English School of Asturias

September 2010 – June 2014

- *A Levels* - Mathematics (A*), Physics (A*), Chemistry (A), Spanish (A*), Further Mathematics AS (A), Biology AS (A).
- Total of 660 UCAS points.
- *Spanish Baccalaureate* - Spanish Language and Literature (9), Spanish History and Contemporary History (9)
- *IGCSEs* - Mathematics (A*), Science (A*), Additional Science (A*), Geography (A*), French (A*), English Literature (A*), English Language (A), ICT (A*), Spanish language (A*)

Self-directed Education

February 2021 –

- *Projects* – Please visit my portfolio website for a full list and description of projects: jaimeggb.github.io/
- *Computer programming* – Obtained the following certifications from FreeCodeCamp (designed to take ~300 hrs each and require the completion of 5 projects on Replit each):
 - Responsive Web Design (HTML & CSS)
 - Algorithms and Data Structures (JavaScript)
 - Front End Development Libraries (React.js, Redux.js, Bootstrap, jQuery, Sass)
 - Data Visualization (D3.js)
 - Back End Development and APIs (Node.js, Express.js, npm, MongoDB, Mongoose)
 - Quality Assurance (JavaScript, Chai, Node.js, Express.js, Pug, Passport, Socket.io)
 - Scientific computing (Python, SQLite, JSON, XML) || Data analysis (Python, SQL, Pandas, Numpy, Matplotlib, Seaborn, Jupyter)
 - Information security (Python & Helmet.js)
- *Artificial intelligence / machine learning* – Obtained the following certifications from Stanford, DeepLearning.AI, Google and Codecademy:
 - Machine learning specialisation
 - Deep learning specialisation
 - TensorFlow developer professional certificate
 - TensorFlow data & deployment specialisation
 - MLOps Specialisation – Deploying Machine Learning Models in Production
 - Git & Github
 - Pandas
 - Preparing for Google Cloud Professional Machine Learning Engineer certification (in progress)
- *Data Science* – Obtained the following certifications from Codecademy:
 - Statistics fundamentals I & II
 - Causal Inference

WORK EXPERIENCE

Analysys Mason

September 2019 – September 2020

- Worked as an Associate Consultant at Analysys Mason, a global research and consulting firm in the Telecoms, Media and Technology (TMT) sector
- Projects included:
 - A commercial due diligence and business plan review of a local ultra-fast broadband operator in Spain to assess the opportunity for consolidation of small local broadband operators in the country.
 - The scope of the work included a review of the (ultra-fast) broadband market, both at the national and at the regional/local level; an assessment of the competitive landscape; and a commercial due diligence of the target company, including a review of its business plan
 - An engagement by a strategic advisory to conduct commercial due diligence of 1500 sites that were to be sold by Orange Spain as part of a competitive process.
 - A key aspect of our analysis was to review the market dynamics, including the impact of extensive active RAN-share

- deals.
 - Our review of the market translated in a ten-year forecast of the demand for mobile passive infrastructure in the market and the associated pricing that a towerco could charge for co-location.
 - Finally, our team used a database provided by the seller to conduct a desk-based assessment of the site portfolio, to understand its potential attractiveness
- An engagement by a strategic investor for the commercial due diligence of an MNO in Spain.
 - The analysis required a complete review of the market dynamics, both in the fixed and mobile segments.
 - The team also relied on a customer research which was conducted by a specialized partner.
 - Finally the team supported the client in the business plan assessment

Quick Release

May 2019– September 2019

- Worked as a Project Analyst at Quick Release, a global product data management consultancy and automation firm in the automotive industry
- Projects included:
 - Processing and presenting data using Power BI for British multinational automobile manufacturer Jaguar Land Rover on client site
 - Developing a scope of work between Quick Release and multinational automotive seating manufacturer Adient on client site

Deeplearning.AI

April 2022 – June 2022

- Worked as a Mentor at Deeplearning.AI, an education technology company in the AI sector
- Obtained job as a result of making “outstanding contributions to the Deeplearning.AI community”
- Responsibilities included:
 - Reporting technical and content issues and improvements on Gitissue
 - Supporting learners by answering queries on Discourse
 - Providing communication between Mentors/Staff

RELEVANT SKILLS & TOOLS

Tools

- *Programming languages, frameworks & tools:*
 - Python (TensorFlow, TensorFlow Extended, Keras, Pandas, Numpy, Matplotlib, Seaborn, SciKit-Learn, BeautifulSoup)
 - MATLAB and Octave
 - Javascript (Node.js, Express.js, jQuery, React.js, D3.js, Bootstrap)
 - HTML and CSS
 - SQL
 - LaTeX
 - Shell (Bash) for Debian Linux
 - Powershell for Windows
 - MongoDB & Mongoose (NoSQL database)
 - Kubernetes
 - Docker
- *Computer programmes and cloud platforms:*
 - Google Cloud Platform
 - Solidworks
 - Excel
 - Word
 - Powerpoint

Skills

- *Multilingual:*
 - English - Fluent (C2 Proficiency aged 17, grade A, highest possible)
 - Spanish - Fluent (mother tongue)
 - French - Basic (GCSE A*, A2 equivalent)
- *Adaptive* – Lived in four very different countries:
 - England (London)
 - Spain (Oviedo & Madrid)
 - UAE (Dubai)
 - USA (Los Angeles)
- *Good communicator* – Have always been gifted at teaching concepts to others, mainly because I enjoy learning, structuring information rigorously and explaining things
- *Good desk researcher* – Consulting background has made me a top-grade information finder with google advanced search and duckduckgo search tools
- *Good teammate* – Have played team sports (rugby and football) all my life and have learnt to help teams thrive by maintaining winning habits, nurturing positive environments and exercising effective conflict resolution