

# 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

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## EDUCATION

### Imperial College London

September 2014 – June 2018

- *Master of Engineering in Mechanical Engineering* - Graduated with Upper Second Class Honours
- A grade in my Final Year Project and A grade in my Team Design Make and Test Project.
- 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). (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/](https://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 (grade of 100% in exam)
  - 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
  - Causal Inference
  - R
  - PySpark
  - Data wrangling, cleaning and tidying

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## 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 (Excom) 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 investor (American Tower) 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 tower company 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 (KKR) for the commercial due diligence of an MNO in Spain (MásMóvil).
  - 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

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### Tools

- *Programming languages, frameworks & tools:*
  - Python (TensorFlow, PySpark, TensorFlow Extended, Keras, Pandas, Numpy, Matplotlib, Seaborn, SciKit-Learn, BeautifulSoup) || R || 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

References available on request