# JAUME CLAVE I DOMENECH

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## EDUCATION

**2019 - Present** **Imperial College Business School, London**
*MSc Business Analytics*
Achieved overall average of a ***First-Class Honours (75.77%)***
Fundamentals of Database Technologies (87.8%), Machine Learning (84.7%), Maths and Statistics for Analytics (84.5%), Logistics & Supply Chain Analytics (79.5%), Optimisation and Decision Models (76.2%), Analytics in Business (76.1%), Advanced Machine Learning (75.85%), Visualisation (74.4%)

**2014 - 2018** **City, University of London, London**
*BEng Engineering with Management and Entrepreneurship (with placement)*
Achieved overall average of a ***First-Class Honours (75.07%)***
Core modules: Systems, Modelling and Control (92.4%), Engineering Management (90.6%), Numerical Computing and Statistics (90%), Digital Logic (82.2%), Technology Venture Development (78.5%), BEng Dissertation (75.3%), Computer Systems and Networks (73.2%), Engineering Mathematics (70.8%)

## WORK EXPERIENCE

**2020** **Aucerna** **London, England**
**Data Scientist**
- Interpreted +50 complex customer interaction, software usage and simulation datasets using statistical methods to understand relationship and feature interactions for client churn ML dataset
- Trained a probabilistic classifier used to predict client churn by leveraging a soft voting ensemble made of three classifiers. Improved renewal rate by 1.6% over 3 months saving Aucerna +£70,000
- Advocated data collection improvements for tracking client software usage at hourly intervals. Integrated Python with Dynamics 365 CRM and pipelined data mining stages to obtain real-time data

**2020** **Capital Pilot** **London, England**
**Data Scientist**
- Built an automated data collection pipeline using REST APIs and web-scrapers to extract information of companies from various online sources (Beauhurst, Companies House, LinkedIn) reducing data mining time by 2 hours. Used to evaluate market position, traction and company invest-ability
- Automated manual tasks involving an advanced search which leveraged Selenium to input onboarding form field variables into a database containing investor information. Script triggered automatically upon successful onboarding and saved 52 hours of manual work in July
- Developed machine learning models with scikit-learn to predict start-up Seed and Series A investment rounds. NLP was utilised to assess industry and start-up sentiment. Model was used to advise founders on achievable raise amount based on size, revenue structure, sector and markets

**2016 - 2019** **KAU Media Group** **London, England**
**Digital Data & Insights Analyst**
- Developed a MySQL database and administered it through AWS Key Management Service to store, control and analyse sensitive marketing campaign data. Accessed data to identify trends, patterns and ultimately business opportunities leading to optimised client conversation rates by 8-16%
- Created JavaScript and HTML codes to track user activity such as time spent on page, phone calls, ecommerce transactions, form submissions on websites in order to gain behaviour and purchasing funnel metrics to be able to efficiently remarket and retarget users
- Managed developers, web designers and an external team through initiation to closure of a project involving updating, migrating and redesigning an in-house administrative and reporting platform essential to day-to-day business activities. Reported back to key stakeholders and executives

## ACHIEVEMENTS

**2020** **First Place at AI Hack 2020 Hackathon** **London, England**
- Created machine learning models that predicted a monthly revenue investors could expect from an Airbnb property. Compared yields from other property rental types based on 40,000 listings in NYC to explore patterns in the rentals industry through economic, demographic, and geographic trends

**2018** **First-Class Honour BEng Dissertation on Petroleum Energy Economics** **London, England**
- Examined economic viability of a 20-year lifespan petroleum extraction site in Alberta, Canada by investigating potential production of shale oil deposits. Oil production data analysed and forecasted using MATLAB and Simulink. 21,000 word research paper. Collaborations with 3ESI-Enersight

## ADDITIONAL SKILLS

**PROGRAMMING**
Proficient programming in Python. Comfortable implementation with machine learning libraries
Proficient data management, modelling and SQL development skills with MySQL Workbench, pgAdmin
Proficient data visualisation skills with Python's matplotib, Plotly and R's ggplot and Microsoft Power BI
Proficient programming skills and data visualisation skills with Data Analysis Expressions (DAX)
Proficient Git version-control and experience collaborating with multiple team users on projects

**LANGUAGES**
English (Native), Spanish (Native), Catalan (Native)