# Alejandro Jiménez Rico

Data Scientist

## Contact

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## Languages

Spanish (native)
Catalan (native)
English (ILR4)

## Interests

💼 *Professional*

🏔 Data Science
📊 Data Analysis
</> Machine Learning
☁ Big Data
🎮 Free to Play Gaming
📈 Quantitative Finance

👤 *Personal*

🎵 Music
🎮 Gaming
🎞 Cinematography
🖌 Graphic Design
🎓 Science

## 🎓 Education

**Master of Science in Data Science & Mathematical Modelling**
Universitat Autònoma de Barcelona, Barcelona. 2017 – 2018

**Master of Science in Financial Mathematics**
Universitat Autònoma de Barcelona, Barcelona. 2016 – 2017

**Bachelor of Science in Physics**
Universitat Autònoma de Barcelona, Barcelona. 2012 – 2016

## ★ Skills

⬤⬤⬤⬤⬤ R
⬤⬤⬤⬤⬤ SQL
⬤⬤⬤⬤◯ VBA
⬤⬤⬤⬤◯ LaTeX
⬤⬤⬤⬤◯ Python
⬤⬤⬤◯◯ C++

## 💼 Experience

**Data Scientist & Product Manager**
Supersolid, London. January 2019 – PRESENT

I was responsible of leading the shift to a more data-driven Product Management, focusing in the content creation of live free-to-play games. Some of my achievements in this role include:
- Conducting and analysing many A/B tests, using parametric and non-parametric hypothesis testing.
- Build time-series forecasting models, with both ARIMA models and Recurrent Neural Networks, used to assess the impact of new features.
- Constructing automatic data pipelines from Google Cloud through BigQuery.
- Modelling and pricing optimisation for IAPs (In-app-purchases) and in-game items. This helped to improve daily revenue by 30%
- Guide and supervise Junior Data Scientists

**Research Scientist**
Cass Business School, London. July 2018 – January 2019

Took part in a research project aimed at optimising of long term investments such as savings and insurances.
- Built highly efficient simulations with C++.
- Analyse and model the result of the simulations with R and Rcpp.

**Data Scientist**
Socialpoint, Barcelona. February 2018 – July 2018

From the beginning of experience with this videogame company, I focused on developing data pipelines and models using R. Among other things, I managed to:
- Create and present time series forecasting models to measure the impact of marketing campaigns.
- Analyse A/B tests results.
- Create automatic dashboards that tracked ML models' performance
- Conduct Exploratory Data Analysis to enrich for Machine Learning Models.

**Data Analyst / Risk Analyst**
Caixa d'Enginyers, Barcelona. February 2017 – July 2017

During my time in this company, I managed to:
- Apply mathematical methods in assessing risk indicators, using R.
- Handle complex datasets with limited computational resources, using R.
- Automate - using VBA - the delivery periodic risk reports faster and more accurately on tight deadlines.

**Data Analyst / Research Assistant**
CSIC, Barcelona. February 2016 – September 2016

Participation in the 'CONECTA' campaing, a research project focused in the study of the evolution of little crustaceans grub in the Mediterranean Sea.
- Developed Python code to simulate fluid dynamics equations