Javier Andrés Cladellas Herodier

19 june 1998

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EXPERIENCE

Jun. 2021 – Currently
Currently
`Microsoft Office` `Python`

Seguros Azul
Actuarial consultant
- Calculate actuarial provisions.
- Elaborate and analyze technical notes for the company products.
- Estimate insurance premiums using actuarial techniques.

Dec. 2021 – May 2022
5 months
`TensorFlow` `Python`
`SQL` `Pandas` `Keras`
`Google Cloud Platform`

Applaudo Studios
Data Engineer Intern
- Forecast the company's headcount and income using ARIMA models and LSTM neural networks.
- Prepare pipelines for future implementation on Google Cloud Platform.
- Data visualization of relevant information regarding the company's income, cost and worked hours.
- Facilitate relocation of employees by clustering projects considering multiple features.

Jun. 2022 – Sep. 2022
3 months
`Python` `Dash` `Pandas`
`HTML` `CSS` `SASS` `LaTeX`

Cemosis
Internship
- Develop a platform for visualization and data processing for building energy simulation and thermal comfort evaluation.
- Implement a data imputation algorithm to fill historical gaps in thermal data.

Jan. 2021 – Jan. 2022
1 year

Escuela Superior de Economía y Negocios
Mathematics lecturer

Mar. 2021 – Jun. 2021
3 months
`Python` `Power BI` `SQL`
`Pandas` `TensorFlow` `Keras`

Superintendencia del Sistema Financiero
Data Scientist
- Develop mathematical models and using Machine Learning techniques to estimate Expected Credit Losses and the Probability of Default for credit users of financial entities.
- Identify suspicious operations and transactions inside financial entities.

Sep. 2020 – Jun. 2021
10 months
`HTML` `CSS` `SASS` `JavaScript`
`TypeScript` `PHP` `Bootstrap` `Ionic`

LogiGoat
Startup creation and web/mobile development
- Project coordinator of freelance teams.
- Develop and design websites and mobile applications.

Juil. 2019 – Sep. 2020
1 year 3 months
`Python` `Matlab` `LaTeX`

Universidad Francisco Gavidia
Researcher in the Mathematics Modelling Center
- Develop mathematical and statistical models.
- Publish papers about COVID19 and other models.

EDUCATION

2021 – 2023	Université de Strasbourg
2 years	*Master's degree in Applied Mathematics: Scientific Computing and Information Mathematics*

2016 – 2019	Université de Strasbourg
3 years	*Bachelor's degree in pure mathematics*

2001 – 2016	Lycée Français de San Salvador
15 years	*Salvadoran baccalauréat and French Baccalauréat in sciences*
	Magna cum laude

SKILLS

Languages	Spanish (native)	French (fluent)	English (fluent)
Skills	Machine Learning	Data visualization and treatment	Statistics
	Optimization	High Performance Computing	
Other qualifications	C, C++	Spark	Blender

PUBLICATIONS

Books	*El Salvador and Covid19: Mathematical models, data and perspectives,* Picardo Joao, O. & Cuéllar-Marchelli, H. & Cladellas, J. & Humberstone, J. & Luna, O. & Vidrí, R. (2020). UFG Editores.
Papers	*COVID-19 y su ciclo epidemiológico en El Salvador.* Cladellas, J. & Humberstone, J. & Luna, O. & Picardo Joao, O. (juin 2020). Realidad y Reflexión.
	Laboratorio CEI: San José Villanueva y modelos matemáticos. Cladellas, J & Picardo Joao, O. (juillet 2020). Disruptiva.
	Los otros datos del COVID19: El subregistro de fallecidos. Cladellas, J. & Humberstone, J. & Luna, O. (juin 2020). Disruptiva.
	Un análisis matemático de los valores atípicos en los datos oficiales. Cladellas, J. (mai 2020). Disruptiva.

REFERENCES

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