

# Juan Manuel García Delgado

COMPUTER SCIENCE · MATHEMATICS

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## Education

### VI Expert in Reverse Engineering and Malware Intelligence

GOOGLE SAFETY ENGINEERING CENTER (GSEC) 

Málaga, Spain

October 2024 - December 2024

Fundamentals of cybersecurity, static and dynamic application-level analysis, automated analysis environments, code-level analysis, and techniques for identification and detection.

### Bachelor's Degree in Computer Science

UNIVERSITY OF MÁLAGA

Málaga, Spain

September 2019 - June 2025

- Studied at Universidade Federal Fluminense, Rio de Janeiro (Brazil) as part of the program.

### Bachelor's Degree in Mathematics

UNIVERSITY OF MÁLAGA

Málaga, Spain

September 2019 - June 2025

- Studied at Universidade Federal Fluminense, Rio de Janeiro (Brazil) as part of the program.

## Skills

Mathematics	Mathematical Analysis, Algebra, Probability & Statistics, Statistical Inference, Numerical Methods, Optimization
Front-end	React, HTML5, CSS, JavaScript
Programming	Python (NumPy, Matplotlib, PyAutoGUI, Optimize, DEAP, PyTorch), Java, Apex, C, C++, R, Scala
Others	Linux, Salesforce, Git, Bitbucket, Jira, Tableau, Power Bi, Excel, SCRUM, Docker, Kubernetes
Databases	Oracle SQL, MySQL, MariaDB
Languages	English (Upper Intermediate), Spanish (Native), Portuguese (Upper Intermediate)
Soft Skills	Problem Solving, Self-learning, Leadership, Critical Thinking, Team Collaboration

## Work Experience

### Freepik

Málaga, Spain

SALESFORCE DEVELOPER INTERNSHIP

June 2023 - March 2024

- Development of Lightning Web Components, such as account indicators with child accounts, integration with Slack and Jira, search features, modals, and more.
- Integration of Salesforce with Jira, development of components for synchronization and comments via HTTP/webhooks.
- Implementation of methods to support the internal API.
- Creation of flows, custom objects, and fields.
- Creation of reports and dashboards.
- Implementation of comprehensive unit tests for each Apex controller, following best practices.
- Improvement of efficiency and optimization of the company's support website, allowing for more accurate results.

## Honors & Awards

### EDUCATION

2019	<b>Finalist</b> , Real Maestranza de Ronda - Hights Honors	Ronda, Spain
2024	<b>Finalist</b> , 2024 Airzone Awards for the Best Architecture or Efficient Engineering Final Degree Project	Málaga, Spain
2024	<b>Finalist</b> , 2024 MONDRAGON Bachelor's and Master's Thesis Award	Bilbao, Spain

## Projects

### Implementation of Artificial Intelligence Models for Optimizing Energy Self-Consumption and Minimizing Grid Discharges

BACHELOR'S THESIS IN COMPUTER SCIENCE

- Implementation of dynamic coefficients in shared solar energy self-consumption communities.
- Data analysis of users in Ireland to assess the impact of these coefficients on different user profiles and larger samples.
- Development of a custom optimization model to initialize the SLSQP algorithm from Python's minimize library.
- Use of optimization models and data analysis in Python.

### Development of a Machine Learning System for People Recognition

PEOPLE RECOGNITION PROJECT

- Designed and implemented a machine learning system capable of recognizing individuals from images and videos.
- Utilized advanced computer vision techniques and deep learning models to improve accuracy and performance.
- Developed the project using Python, leveraging libraries such as TensorFlow and OpenCV.
- Conducted extensive testing and validation to ensure robustness and reliability in various conditions.