# Isaac Daniel Jiménez Vega

- Languages: Spanish *(native)* / English *(fluent)* / German *(elementary)*
- Birth: August 27th, 1996 (29 years old) | Costa Rica
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- Travel: USA visa up to date
- Driver's License: B1 up to date
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## Education 🎓

**Leading with Finance - Certification**
📍 Harvard Business School Online                           📅 2025-Present

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**Master Degree in Business Management: Emphasis in Finance**
📍 Tecnológico de Costa Rica                               📅 2022-2024

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**Bachelor's Degree Electrical Engineering**
📍 Universidad de Costa Rica                               📅 2015-2020

## Experience 💼

**Test Engineering Group Lead**
📍 Intel, Costa Rica                                       📅 2024-Present

*I am responsible for coordinating key activities at Intel Foundry Costa Rica, specifically in the Testing department. In this role, I oversee activities such as Test Program deployments, Reject Validation, Enabling Routes, and similar processes for both New Product Introduction and High Volume Manufacturing. I frequently review KPIs with my team, and together we continuously seek ways to improve. Additionally, it is my responsibility to support my team's career growth, whether on the managerial or technical path.*

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**Technical Support Engineer**
📍 IBM, Costa Rica                                         📅 2024 (Jan-Mar)

*In this role, I provide technical support for IBM's Safer Payments application. This application runs on Red Hat Enterprise Linux (RHEL). I resolve tickets for customers around the world (Americas, Asia, Europe, etc.). I coordinate meetings and troubleshoot issues with both the customer and the DevOps team. Customer service and problem-solving skills are essential in this role.*

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**High Volume Engineer**
📍 Intel, Costa Rica                                       📅 2021-2024

*I was responsible for the deployment of new test programs in the fabric's tools. This helps ensure a high quality standard for the microprocessors provided to customers worldwide. Several activities are involved in these test program deployments, including coordinating with different departments within the company, ensuring hardware and software requirements are met, debugging logs, problem-solving, big data analysis, and more. My technical and interpersonal skills have improved both as an engineer and as a leader.*

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**Sales & Service Engineer**
📍 Electromotores de Costa Rica                            📅 2021 (Apr-Sep)

*This role includes travel both inside and outside the country, with the goal of performing tests (ground insulation, ohmic resistance, surge, partial discharges) on electrical machines. It also involves preparing reports based on the collected data and verifying whether the results meet international standards (IEEE). Clear and effective communication with the client is fundamental.*

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**Python Developer**: Photovoltaic Energy Course Assistant
📍 Escuela de Ingeniería Eléctrica, UCR                    📅 2020

*In this role, I migrated a MATLAB code to Python. Using mathematical models and Python libraries (NumPy, Astropy, Matplotlib), the program was able to calculate the optimal rotation and inclination angles for a solar panel based on a given position on the planet. As an assistant, I also created video tutorials for the students, explaining the physics of the problem and a possible solution in code.*

## Experience 💼

**Manufacturing Engineer Intern**

📍 Boston Scientific, Costa Rica 📅 2020 - 2021

*This internship has further strengthened my soft skills, as manufacturing roles require precise and frequent communication between product builders, the core team, managers, and other departments such as equipment, calibration, and shipping. My activities focused on improving line production (high volume) while maintaining the high quality standards required for the medical industry (heart devices). Recognizing the importance of effective time management, I implemented a Python script that automates yield calculation (good units per total units) and the construction of a Pareto graph, which saved both time and effort each day.*

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**Cashier**

📍 Maxi Palí, Grecia 📅 2014-2015

*In this job, I made sure that all customers found what they wanted from the store (clothes, fruits, beverages, etc.) and handled their payments. Every interaction with customers was a great opportunity to improve my soft skills.*

## Projects 💡

**Finance Project**: Diagnosis and Strategy to Enhance Post-Pandemic Results at FIFCO

📍 FIFCO 📅 2020

*This project analyzes the financial impact of COVID-19 on FIFCO from 2019 to 2023. Using financial indicators such as EBITDA, EVA, and liquidity ratios, the study evaluates the company's response to the crisis and its recovery strategy. Despite a sharp decline in 2020, FIFCO maintained financial stability through cost control, innovation, and international expansion. By 2022, it achieved record results. As an analyst, I learned the value of resilience, data-driven decisions, and strategic adaptability. The study concludes with recommendations to optimize inventory, protect cash flow, and strengthen stakeholder relationships.*

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**Electrical Project**: Modeling and simulation of faults on electric power systems using OPAL-RT software

📍 Universidad de Costa Rica 📅 2020

*In this project, I used two IEEE papers to build power system models with 4 and 37 buses. The main objective was to apply different types of faults in order to test the proper performance of the protection system. I built both models using the Hypersim software, developed by OPAL-RT. My faculty advisor for this project was Ing. Oscar Núñez Mata, PhD.*

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**BeeTheChange**: Hardwarethon

📍 Texas Tech University, Escazú, San José 📅 2018 (August)

*This project consisted of the design and implementation of a smart beehive for stingless bees. We visited a beekeeper in Puntarenas province to learn about the needs of the bees and the beekeeper. Then, we designed and built a prototype with the following functions:*

- *Load sensor (for measuring honey production).*
- *Sound sensor (for measuring how "active" the beehive was).*
- *Thermographic camera (to view the interior of the beehive).*
- *Stroke switch (to detect when the beehive was opened).*

*All these sensors were connected to a Raspberry Pi. Finally, we prepared and delivered a presentation of the final product to the Hardwarethon judges.*

## References 👥

**Aaron Omodeo**
Phone: +506 8950 8599
SMB Account Manager at Johnson Controls, also founder of DojiClub - Investment Academy

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**Ing. Marco Carit**
email: carit@me.com
Project Manager Technical Lead at Intel Corporation

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**Ing. Oscar Núñez Mata, PhD.**
email: OSCAR.NUNEZMATA@ucr.ac.cr
Professor at Power Systems and Electric Machines Department, EIE, UCR

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**M.Sc. Marco Villalta Fallas**
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Network Administrator and Electrical Engineering Professor at UCR