

CARLOS RIVERA

Fullstack and Infrastructure developer in a mission to help companies to scale AI/ML efforts.

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Carlos is a technology enthusiast and entrepreneur who loves to develop products that impacts in the people lives. He learned to code at the age of 14yrs, and since then, generated both technical and leadership experience across different industries, from research and deep tech such Blockchain and Artificial Intelligence, to Infrastructure and Generalist/Fullstack development.

EXPERIENCE

Apr/2015 - Dec/2021

Co-founder / CEO

US / MEX



Synx simplifies the adoption of AI within companies and organizations, using cutting-edge artificial intelligence technology that allows them to automate processes and extract more value from their data.

Major Projects

BBVA, Antifraud System for Transactions that reduced chargebacks in 47% and increase transaction volume by 3x.

Genera, Banking Allocation Analysis used for 180,000 customers without credit historial.

Etihad Airways, Fuel Optimization that reduced operational costs by 18%.

Managed 23 persons across different departments.

Apr/2012 - Apr/2015

Co-founder / CTO

HONG KONG / CHILE / MEX



Cofounded a Mobile Payments company, focused to solve on emergent economies the lack of banking infrastructure, payment processing technologies and low credit card penetration; and aimed to support the increasing e-commerce growth, especially for those with a poor adoption of other payments channels or without a widespread payment infrastructure.

Managed a team of 6 persons.

Jul/2011 - Apr/2012

Fullstack Developer

MEX



I joined Kueski as one of the first engineers in their team, helping them to setup, build and launch the first version of its platform as a full stack developer in a team of two.

Jan/2009 - Dec/2010

Research Assistant Intern

US / MEX



Worked on an intensive Information Management System and Business Intelligence project, focused on help companies to gather and analyze better data from their own infrastructure.

I was in charge of developing a new way to visualize, navigate and interact with clusters of data from a massive query system, supporting the research team to analyze information faster.

Oct/2006 - Oct/2009

Software Developer

MEX



Hydra is a high tech aerospace company that develops Unmanned Aerial Vehicles. I joined the engineering team at their grow stage.

Major Projects

Geospatial Visualization: an Augmented Reality 3D real time analysis and visualization project for an airplane on flight; part of the core components for the cockpit toolset, it allowed the crew to take critical decisions with better insights. Developed under DirectX and C++ technologies.

Video processing research: information extraction from real time video analysis and digital processing. Developed with CUDA, OpenCV, C++, Python.

Managed a team of 4 engineers.

Mar/2008 - Aug/2008

Software Developer Intern

MEX



Intern with Microsoft's Office OneNote team. I was in charge to develop an add-in for their Object Model platform, using C# and .NET 3.5 (LINQ and WCF).

EDUCATION

Apr/2015 - May/2021

BE Computer Systems Engineering



ITESO, Universidad Jesuita de Guadalajara

Founding Member and leader for 2 years of Corvus Albus a Game Development student group associated with the IGDA.

ACM Student Member, joined to SIGGRAPH.

IEEE Student Member.

Jan/2011 - Apr/2015

AI Ventures Launchpad



Took part in the first AI Innovation Class, and was recipient of 2 Innovation Awards from NYU Partner Companies for collaborating in defining an AI roadmap (UAE Exchange and Etihad Aviation Group).

TECH STACK

Front-end



Back-end



Infrastructure



Machine Learning



ETL / Data Processing



Databases

