Contact

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www.linkedin.com/in/james-quaglia-06143bb5 (LinkedIn)

Top Skills

Generative AI
Technical Leadership
Business Development

Languages

English (Native or Bilingual)
Spanish (Professional Working)

Certifications

CVP-Advanced

Publications

“Classical-Nova Contribution to the Milky Way's 2 Resonance.”

James Quaglia

CTO
Detroit Metropolitan Area

Summary

Electrical Engineering graduate from Michigan State University with a passion for leveraging creativity in design solutions and business strategy.

A seasoned professional with over 10 years of experience in pioneering, selling, and executing AI projects, complemented by 5 years of expertise in traditional ML, deep learning techniques, and AI integration strategies.

Currently leading technology initiatives at USS Vision as a Chief Technology Officer, with a proven track record in managing technical teams and delivering complex AI/ML analytics workloads across major clients like Stellantis, GM, Nissan, and Ford.

Acknowledged expert in training models and generative AI with robust knowledge of digital tools, cloud environments, automation, operational AI, and NVIDIA GPU hardware.

Eager to drive business development and cultivate strategic partnerships within the dynamic AI landscape, bringing forth a unique blend of technical acumen and customer-centric business development skills.

I bring a unique fusion of skills to the table that can take potential projects from ideas on the phone to million dollar accounts.

Experience

USS Vision Inc.
9 years 8 months

Chief Technology Officer
February 2021 - Present (4 years 5 months)

Detroit Metropolitan Area

Spearheaded the development of a state-of-the-art AI-driven stamping defect detection system,
enhancing manufacturing quality control processes for major automotive clients including Stellantis,
GM, Nissan, and Ford.

Played a pivotal role in business development, converting initial client discussions into successful
million-dollar accounts through strategic AI solution selling.

Managed and mentored a team of engineers in deploying complex AI/ML analytics workloads, with a
focus on innovative applications in computer vision and generative AI.

Fostered strong partnerships with enterprise accounts, aligning technical solutions with business needs
to drive customer satisfaction and retention.

Led the integration strategy for AI technologies, utilizing NVIDIA GPU hardware and SDK packages to
optimize operational efficiency and performance.

Director of Sales and Operations
August 2018 - February 2021 (2 years 7 months)
Greater Detroit Area

Machine Vision Engineer
November 2015 - August 2018 (2 years 10 months)
Greater Detroit Area

Next Door Loan LLC
Chief Technology Officer
January 2022 - Present (3 years 6 months)
Plymouth, Michigan, United States

POWER Engineers
Electrical Engineer
June 2015 - November 2015 (6 months)
Ann Arbor, MI

Performing detail design of low to extra high voltage substations and switchyards. Typical designs include one-line diagrams, protection and control schematic development, wiring diagrams, SCADA, communications, substation physical layouts, conduit and cable sizing/routing and substation grounding.

Consumers Energy
Electrical Engineering Intern
2013 - 2015 (2 years)

Studied the Consumers Energy's 3-Phase High Holtage (4.8kV/14.4kV) Primary Distribution System

Performed CYME (short circuit) studies on the system to better implement fusing coordination

Designed and released work orders for High Voltage device maintenance and capital investment (transformers, regulators, capacitor banks, OCRs, boosters, cutouts, insulators, conductor etc)

Performed regular line inspections regarding health of the 3-phase system,

Created documents to present results of inspection including suggested maintenance actions

Designed very high detail CAD files regarding proposed work done to High Voltage Distribution System

Education

Michigan State University
Bachelor of Science (B.S.), Electrical and Electronics Engineering · (2010 - 2014)