JUAN S. CASTILLO AMAYA

Electronic Engineer
Instrumentation and Control Engineer

@ jcastilloamaya@outlook.com 📞 0451825069 ✉ 1080 Burke Road 📍 Melbourne, VICTORIA
in jcastilloamaya ◯ jcastilloama

EDUCATION

Bachelor's Degree in Electronic Engineering
Universidad Distrital Francisco José de Caldas

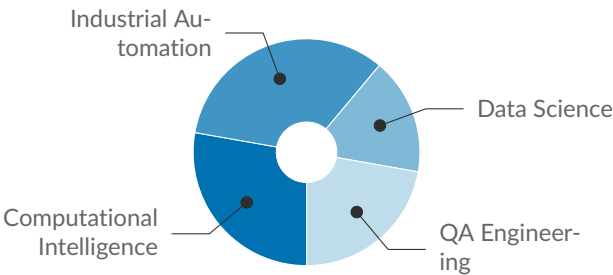📅 February 2014 – June 2022   📍 Bogotá, Colombia

Bachelor's Degree in Economics
Universidad Nacional Abierta y a Distancia

📅 May 2022 – Present   📍 Online

Java Programming Course
Politécnico de Colombia

📅 August 2022   📍 Medellín, Colombia

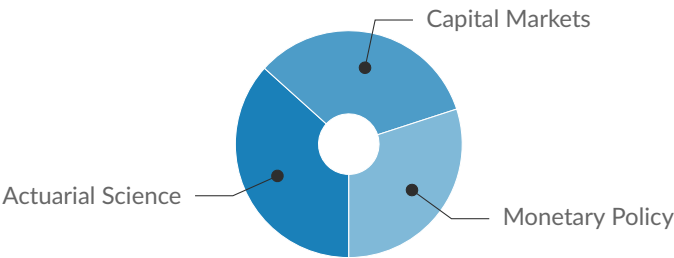### Internal Auditor Certification in Integrated Management Systems HSEQ – ISO 9001:2015, ISO 14001:2015, and ISO 45001
SGS Colombia S.A.S. Academy

📅 February 2020   📍 Medellín, Colombia

INTERESTS

Engineering

Industrial Automation · Data Science · QA Engineering · Computational Intelligence

Economy

Capital Markets · Monetary Policy · Actuarial Science

PROFILE

Proactive with a passion for continuous learning, adaptable to different environments and situations. I consider myself a team player, striving to establish strong communication links with my colleagues. I aim to be a bridge between technical and administrative areas, fostering synergy between development and management teams. This goal led me to pursue a double degree in Engineering and Economics. I understand the importance of technology for the future, and thus, I continuously learn new languages and frameworks, mastering the tools described in the skills section.

ACHIEVEMENTS

📄 **Publication by IEEE**
at the 2022 IEEE Colombian Conference on Applications of Computational Intelligence (ColCACI)

STRENGTHS

Honest · Proactive · Persistent · Team Player · Patient · Adaptive

SKILLS

Smart Plant Instrumentation(SPI) · Mántum CMMS · Python · Java · MySQL · C++

LANGUAGES

Spanish ● ● ● ● ●

English ● ● ● ○ ○

EXPERIENCE

Instrumentation and Control Engineer
IDOM-Full Time

📅 November 2022 - February 2024 📍 Yopal; Colombia

Management of Smart Plant Instrumentation, including modules such as specification, wiring, EDE, Index, generate ports, process data, loop drawings. Generation of datasheets, MRs, technical specifications, MTOs, cause-and-effect matrices, loop diagrams, wiring diagrams, control valve sizing, control architecture, signal lists, instrument lists, cable lists, P&ID creation, PFD and BFD interpretation.

Maintenance Assistant
SGS Colombia S.A.S. - Full Time

📅 September 2020 – January 2021 📍 Bogotá, Colombia

Supported the maintenance and calibration process of metrology equipment and other laboratory devices at SGS in Colombia.

PUBLICATIONS

👥 Conference

- P. R. V. Castillo Amaya J. and A. Gaona Barrera, "Parameter tuning for a narx neural network to predict the price of bancolombia's stock," in *2022 IEEE Colombian Conference on Applications of Computational Intelligence (ColCACI)*, Cali Colombia, 2022.

REFEREES

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