Giuseppe Caruso

info@carusogiuseppe.com
www.carusogiuseppe.com
linkedin.com/in/caruso-gius

Giuseppe Caruso

Automation Engineer, Full Stack Programmer

Over 6 years of experience in Communication Marketing...

...at global trade fairs and exhibitions (EW Nuremberg, CES Las Vegas, Industrial Summit Shenzhen) with expertise in both technical and visual presentation of new products and solutions. Proven ability to coordinate cross-functional marketing and technical projects involving professionals with diverse expertise.

Over 16 years of experience in Prototyping Embedded Systems...

...with sensors and actuators integration with common peripherals (SPI, I2C, I3C, USART, CAN, RS485, DMA, TIM, DAC, ADC, I2S) using C programming language.

Over 24 years of experience in Back-End and Front-End Web Development...

...with all major solutions (PHP, Flask, Node.js, Next.js, .NET), related programming languages (Python, JavaScript, jQuery, TypeScript, VBScript), databases (MySQL, PostgreSQL, SQLite, Microsoft SQL) and development environments (Visual Studio Code, GitHub Actions).

Education

2024 Master's Degree in Automation Engineering and Control of Complex Systems, mark 110/110

University of Catania (Italy), thesis title: *A Numerical Model for the Simulation of Phase Transitions in Geophysical Flow*, conducted at INGV Catania.

2016 Bachelor's Degree in Electronic Engineering, *mark 106/110*

University of Catania (Italy), thesis: *An electronic measurement system based on ST microcontrollers and MEMS sensors designed to support research in beekeeping*, conducted at STMicroelectronics (Catania).

2008 Head technician in Computer Technology, *mark 100/100*

ITIS Galileo Ferraris, Acireale (Italy), *Industrial ABACUS course*, thesis: *Design of a semi-automatic industrial machine for the production of iron artifacts*.

Work Experience

2018-2024 *Senior Application Developer*, STMicroelectronics, Catania (Italy)

Application developer for Communication Marketing

2017-2018 *Software Developer*, Classimo SRL, Piano Tavola (Italy)

Software development for production management

Nov 2015-Jan 2016 *Trainee*, STMicroelectronics, Catania (Italy)

Project, implementation and testing of monitoring system for beehive health with Microcontrollers and MEMS Sensors

2008-present *Full Stack Software Developer*, Etna Miele SAS, Samagix SRL, Zafferana Etnea (Italy)

- Custom Web Services and API integration for multi-carrier shipment tracking
- Multi-carrier computing solutions for e-commerce shipping cost estimation
- API integration for payment systems (PayPal, Sia VPOS, Poste Italiane Spa, Lemonway)
- PDF and LaTeX software solutions for generating commercial catalogs and brochures

Awards

2021 Star Award ABCD (*Above and Beyond the Call of Duty*)

STMicroelectronics Star Award for developing SRA connectivity and asset tracking demo

2024 Social Responsibility Day (*by ST Foundation*)

Certificate of Appreciation for the valuable contribution in promoting, with consistency and commitment, the image of STMicroelectronics in the territory

Interests

Professional

Have fun, motivate people, problem solving, software design, automation systems

Personal

Drums and percussions, piano, cinema, psychology, beekeeping, art of life