Manuel M. Ramos

Phone: (561) 635-5981
GitHub: https://github.com/ramo1266 Resume Site: https://ramo1266.github.io/Resume
Email: ramo1266@bellsouth.net LinkedIn: www.linkedin.com/in/manuel-ramos-29b5611b9

Summary:

I am a seasoned Control Systems Engineer with over 14 years of experience creating cost-effective automated machines. Highly experienced in developing cutting-edge equipment for various industries that have improved the quality of their products and the production speed. In addition, using innovative software techniques has given me a proven record in decreasing code development and debug time. Capable of leading or coordinating with a team of engineers to complete projects in a fast-paced, challenging, deadline-driven environment.

Education:

Florida Atlantic University August 2002 – August 2007
Bachelor of Science in Electrical Engineering

Work Experience:

Syneo LLC September 2007 – June 2021
Lead Control System Engineer

- Develop software standards to reduce development and debug time
- Provide software solutions to complex control problems.
- Coordinate with the production team on building and troubleshooting
- Worked with customer service on troubleshooting machines remotely
- Synchronize with the sales team to transcribe customer requests into software specifications
- Aided a team of mechanical engineers on developing and debugging machines
- Led a group of software engineers in developing complex systems
- Supported the application department in testing customer supplied materials

Hilton International Industry July 2021 – Present
Control System Engineer

- Developed a multiple axis servo control battery winding machine
- Aid the assembly team in wiring and troubleshooting
- Generated manual and technical documents

Technical Experience:

- Developed PLC software using Omron SYSMAC and CX-Programmer, Keyence, AB RSLogix 500, and Kollmorgen
- Developed HMI using Maple Systems, Weintek, Kollmorgen, Omron, and Beijer
- Developed PC software using VB.net, C#
- Developed schematics to NFPA 79 standard using Autodesk AutoCAD
- Programmed safety controllers from Banner Engineering
- Programmed motion controllers from Galil, Trio, and Omron SYSMAC
- Programmed collaborative robots from Universal Robots
- Developed vision applications using systems from Keyence and Banner Engineer
- Programmed and commissioned servo drives from Parker, Kollmorgen, and Omron
- Tuned PID Loop for various applications.
- Using Fieldbus technologies such as EtherCAT, Ethernet/IP, TCP/IP, MODBUS, and more