

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 a team of engineers to complete projects in a fast-paced and challenging, deadline-driven environment and budgetary constraints.

Work Experience:

Syneo

Sept 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 transcript customer requests into software specification
- Aided a team of mechanical engineers on developing and debugging machines
- Lead 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:

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