

Victor M. Bonachea

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PROFESSIONAL SUMMARY:

- ❖ An experienced engineer looking to bring his diverse background and expertise within several industries, to a new opportunity that will allow him to continue to evolve and expand his knowledge while working on new and unique projects.

SKILLS AND QUALIFICATIONS:

- AutoCAD
- PLC Programming: (GE, Allen Bradley, Unitronics, & Modicon Quantum)
- HMI/SCADA: (Cimplicity HMI, Wonderware/Archestra, Factory Talk View M.E., & EZ-Automation)
- Programming: (Visual Basic, C, C++, & assembly language experience)
- Various Microsoft applications

WORK EXPERIENCE:

- ❖ ***PCS Integrators, Inc.*** ***Senior Electrical Engineer (May '13 – Present)***

Manufactured & programmed control panels for waste water treatment plan, and offered engineering services to a wide array of industries.

- Programmed PLCs and HMIs for new equipment and retrofit applications.
- Setting up and configured computers network at customer locations.
- Participate in the startup of several treatment equipments after field installation and at our location.

- ❖ ***CM Furnaces, Inc.*** ***Senior Electrical Engineer (April '11 – May '13)***

Manufactured laboratory and mass production industrial electric furnaces for the treatment of various materials.

- Designed control panel outlines, wirings, and created sequences of operation.
- Specified, tested, and approved components for system integration.
- Preparation of quotations for bids and bill of materials for accepted projects.
- Programmed PLCs and HMIs for new equipment and retrofit applications.
- Supervised and supported shop personnel assigned to active manufacturing projects.

- ❖ ***MAC Products, Inc.*** ***Senior Automation Engineer (April '93 – November '10)***

Constructed pressurization plants and heat exchangers used by utilities for circulation & cooling of dielectric fluid within high voltage underground transmission & distribution lines.

- Completed total electrical design including control schemes and physical wirings.
- Selected, tested, and approved numerous components for Bills of Material.
- Oversaw shop personnel assigned to manufacturing projects.
- Programmed PLCs and customized HMIs for unique projects.
- Wrote and maintained a proprietary program for secure communication with our equipment.
- Trained and mentored new engineers and employees.

- ❖ ***Control & Power Systems, Inc.*** ***Electrical Engineer (May '86 – April '93)***

Designed and executed panels and controls for the control of waste treatment equipment and data acquisition systems for a various chemical industries.

- Developed and programmed a family of microprocessor controllers to be used in water treatment systems.
- Prepared electrical schematics and documentation for equipment installation and operation.
- Provided technical assistance during installation and initial start-up.
- Supervised and trained all new shop personnel.

EDUCATION:

- ❖ ***University of Las Villas, Cuba***

- *Bachelor of Science in Electrical Engineering (B.S.E.E.), specializing in Controls and Power.*
- (equivalent to 156 U.S. Credits)