

Christopher Inoma

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PROFESSIONAL SUMMARY

Experienced and organized Software Engineer of 3+ years with a background in Project Management as well as training in Front-End Development, Controls Engineering, Surgical Troubleshooting, Sterile Processing, and Advanced Robotics. In possession of strong communication and leadership skills due to professional experience as a worker and manager in the engineering and manufacturing field.

KEY SKILLS

- Project Management • Analytical Thinking • Leadership • Troubleshooting • Communication • Teamwork and Collaboration
Prototyping • Time Management • Ability to work under pressure • Prioritization • Computer Savvy • Adaptability • EPC
- **Programming languages:** C++, Java, Javascript, HTML, CSS, TypeScript, PHP, C#
 - **Software Tools/Platforms:** Softing OPC UA, AutoCAD, MultiSIM, LabVIEW, HSPICE, Microsoft SQL Server 2014, Windows OS, Linux OS, Microsoft Office Suite, HMI Design, Allen Bradley PLC, Siemens PLC, Yokogawa DCS, Yaskawa Robotic Software, MATLAB, Angular, Git Version Control

EDUCATION

Lamar University, Beaumont, Texas

Graduated December 2016

- Bachelor of Science in Electrical Engineering and Minor in Mathematics
- Currently preparing for the **FE** exam resulting in **EIT** Certification.

RELEVANT PROFESSIONAL WORK EXPERIENCE

KARL STORZ (Houston, Texas) – Onsite Medical Device Specialist

October 2020 – Current

- Provide daily troubleshooting for MD Anderson's surgeons on Operating Room video equipment and Windows OS.

Yokogawa (Houston, Texas) – DCS Automation Engineer

May 2019 – March 2020

- Worked on **multiple EPC projects independently and in small teams** within the System Service department.
- Performed DCS **system migrations** consisting of DCS Controller upgrades, **Windows 7 to Windows 10 OS upgrades**, and **CENTUM (Yokogawa DCS Software)** upgrades.
- Performed regular **site visits** to **troubleshoot DCS and Windows OS issues on live high voltage systems**.
- Interfaced with clients as well as vendors via Outlook email and phone calls to determine project scope and deliverables.
- Ordered and managed various project materials, software, and licenses per project according to **Bill of Materials (BOM)**.
- Created **AutoCAD schematics** of updated **System Architecture** and **Custom Cabinets** and used them to troubleshoot and document any future issues.

Caterpillar (Houston, Texas) – Software Engineer/Developer

November 2018 – April 2019

- Worked on **multiple turnkey projects independently and in small teams** within the Innovation & Technology Division Department (ITDD) team.
- **Develop Human Machine Interface (HMI)** displays for clients in the Oil & Gas, Marine, Energy, and Transportation fields that display engine parameters and diagnostics via **Modbus RTU, Modbus TCP/IP**, and **J1939** protocols.
- Integrate HMI displays with client controllers (**EMCP, DEIF**, and **Automaskin**) and teach clients how to create their own screen configurations to better customize their application.
- Document **troubleshooting** procedures and **teach** both team members and end-users how to fully utilize HMI applications.
- **Communicate** and document Software Specification Requirements as both a resource for the end user to understand the HMI application and as a detailed checklist of client deliverables ensuring all desired features are present.

Depeuter Packaging Solutions (Houston, Texas) – Robotic Software Engineer

February 2018 – October 2018

- After creating and getting approval of **AutoCAD** drawing, supervised and assisted technicians on **wiring** and building parts for each project.
- Used knowledge of **Allen Bradley PLC, C++, C#, Object Oriented Programming (OOP)**, and general logic/troubleshooting to program and integrate programmable robot tasks with **Allen Bradley VFD's, Dorner conveyors, Festo valve terminals**, web-based **HMI, Vision Systems**, and other products required to complete the project.
- Designed HMI using knowledge of **PHP, JavaScript**, and **HTML** in order to provide a way to select modes of operation, operate the system, and view indications of safety status through the display.
- Established **Local Area Network**, assigned IP Addresses via **Ethernet TCP/IP** protocol, and troubleshoot Networking issues.
- Developed detailed **Bill of Materials (BOM)** and **Systems Operations Manual** for clients.