10867 Pine Valley Ct, Allendale, MI 49401 ·313-231-2274·goathaho9@gmail.com

Luke Stephenson

Education

| August 2009-August 2013 | Wayne State University Economics BA | Detroit, MI |

Experience

July 15, 2013-March 30, 2018	Comau LLC. - Software Dev. / Robotics	Royal Oak ,MI
April 9, 2018-November 2, 2018	J.R. Automation - Controls Engineer	Holland, MI
November 5, 2018-October 2019	Altron Automation - Controls Engineer	Hudsonville, MI
January 6, 2020-September 24, 2021	Commercial Tool Group - Controls Engineer	Comstock Park, MI

Responsibilities:

- Unbox-to-Commissioning program development for industrial robot programs.
  - Proprietary PTWA technology program development for Ford through Comau.
  - MIG Weld, Drill, Rout, MH, Clip Install, Screwdriver, Waterjet, Piston Stuffing applications.
  - Safety integration including DCs and SafeMove via both CIP safety and Profisafe.
  - Inter-platform standardization and translation to meet multiple customer standards with minimal overhead. (Eg. ABB->Fanuc or Comau->ABB).
- Unbox-to-Commissioning program development for industrial PLC's.
  - Size and feature selection based on quoted project features and budget.
  - Out-of-the-box to production commissioning, programming, and debug.
  - Review and refactor existing systems to optimize for customer requirements.
  - Integration of a variety of safety systems including both CIP safety processors and external safety systems such as Banner safety controllers.
  - Primarily Rockwell PLC's, with Siemens and some Omron experience.
- Unbox-to-Commissioning program development for industrial HMI's.
  - Full HMI and Bingo Board integration.
  - Created point-of-use documents to allow easy integration of above tools into any customer standard.

- Standards and Documentation.
  - Standardized communication between equipment to allow AOI/prebuilt robot modules for rapid program development.
  - Ease-of-use HMI programming with 1-button functionality using standardized buttons w/ AOI's.
  - Program optimization for both commissioning and service environments.
  - Standard documentation layout built from modules based on customer purchased features.

Skills

- Strong ability in robotic programming languages, including but not limited to KAREL and TP (Fanuc), RAPID (ABB), PDL2(Comau), INFORM II(Motoman/Yaskawa)
- Strong programming ability with AB and Siemens PLCs, including STL, SCL, Ladder, FB formats.
- Strong familiarity with Maple brand HMI/Bingo boards, AB Panelviews (primarily 7+), Schneider Electric panels, and Simatic panels.
- Strong ability to adapt programs to any computer language, customer specification, and task
- Strong written and logical reasoning skills
- Proficient with computer applications (including Microsoft Word, Excel, PowerPoint, etc.)
- Proficient with ethernet networking and server/client function as well as Profinet connection protocols.
- Proficiency with programming vision systems such as Keyence IV/IV2 camera systems, Fanuc integrated vision, Comau RecogniSense, and Sherlock image processing software.

As I always give my references a heads up before handing out their information out of professional courtesy, references will only be provided upon request.