

# MATT HEUSER

www.mattheuser.com

## PROFESSIONAL SUMMARY

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Dedicated and motivated professional with a proven record of implementing industrial controls and managing multi-million dollar projects from concept to completion. Seeking a position as a Controls Engineer with a dynamic growing organization that can leverage my knowledge to exceed company targets and clients' business goals.

## CORE CAPABILITIES

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- Capable of constant innovation, creatively seeking processes that contribute to bottom line profits
- Demonstrated reliability, high degree of self-motivation, and ability to assume increased levels of responsibility
- Outstanding leadership skills through time management, critical thinking, pride of accomplishment
- Excellent communications skills with the ability to interact with people at all levels

## SKILLS

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- Proficiency in PLC programming using Structured Text and Ladder Logic
- Proficiency in AutoCAD, Linux, Windows, Microsoft Office, BASH, CSS, HTML, LaTeX, PHP, Python, and SQL
- Working knowledge of AGILE methodology, Arduino programming, Adept V+ and KUKA KRL
- Limited experience with SolidWorks, Microsoft Visio, C, C++, JavaScript, MATLAB, and Simulink

## EDUCATION

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**Master of Science in Mechanical Engineering** – University of Texas at Arlington May 2016

- Conducted research in Robotics and Additive Manufacturing
- Utilized Adept V+ language to program Adept three-axis and SCARA robots
- Wrote Python porting algorithm to translate 3-D printer (G-code) programs to Adept V+
- Configured Arduino microcontroller for stepper motor control in coordination with robot motion

**Bachelor of Science in Physics** – University of Dallas May 2013

- Conducted research in Astrophysics

## PROFESSIONAL EXPERIENCE

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**Controls Engineer** – MXD Process Jeffersonville, IN August 2020 - Present

- MXD designs and manufactures liquid processing equipment from experimental mixers to full factory builds
- Designed controls systems to automate large scale mixing systems and process equipment
- Designed controls interfaces and logic using Allen-Bradley and Siemens PLC's
- Developed electrical panel layouts and wiring schematics using AutoCAD Electrical

**Controls Engineer / Project Manager** – Romeo Engineering, Inc Fort Worth, TX May 2016 - August 2020

- REI has designed and built automation systems for companies such as Hormel Foods, Bell Helicopter, IBM, & Ford
- Served as project manager for multi-million dollar projects including robotic packaging, automated drilling machines
- Oversaw and analyzed project budgets for cost savings as well as manufacturing and assembly procedures
- Programmed KUKA and Adept robots for pick-and-place operations from moving conveyor with vision integration
- Programmed Schneider and Allen Bradley PLC's for motion control, solenoid valve control, and sensor feedback

**Programmer** – Texas Farm Bureau Insurance Waco, TX May 2013 - August 2014

- Developed new functionality and improved existing code using using AGILE software development methodology
- Analyzed errors reported by users and used IBM 3270 and DB2 SQL to identify problems and develop solutions

**Project Assistant** – University of Dallas, IT Department Irving, TX August 2012 - May 2013

**Laboratory Assistant** – University of Dallas, Physics Department Irving, TX August 2010 - May 2012

**Dispatcher** – University of Dallas, Campus Safety Department Irving, TX January 2010 - May 2013

## AFFILIATIONS

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**Emergency Medical Technician** Dallas, TX August 2015

- Passed National Registry EMT certification exam

**Personal Website** – www.mattheuser.com May 2009 - Present

- Develop and maintain personal website on Linux server using HTML, CSS, PHP, and JavaScript

**Eagle Scout** – Boy Scouts of America, Troop 243 Louisville, KY May 2004 - May 2009

- Lead team to install security surveillance system for Eagle Service Project requirement