KYLE BRAASCH

A self motivated engineer with a strong educational background and over 4 years experience in automation, design, and technology implementation. I am excited to continue applying my strengths and expertise to facilitate impactful innovation in industry.

EDUCATION

B.S. Mechanical Engineering

Rose-Hulman Institute of Technology 2015 - 2019

M.S. Data Analytics

Northern Illinois University 2021 - 2022

WORK EXPERIENCE

Actalent contracted by Andersen Corporation

Jan. '23 - Sep. '23

Product Development Engineer

- Produce designs, drawings, and documentation for Andersen's premium products
- Optimize designs for manufacturing by extrusion, machining, and injection molding
- Conduct testing of new design concepts and validate product performance
- Specify procedures and develop equipment to manufacture new designs
- Developed a control system to automate cycle testing of window products

RFA Engineering contracted by John Deere Forestry

Nov. '21 - Sep. '22

Software Validation Engineer

- Created requirements documentation for new feature requests
- Developed test cases, validated software, and facilitated deployment to production
- Conducted testing using SIL, HIL, and DAQ equipment and documented findings
- Conceptualized UI/UX updates to improve the end user experience
- Implemented an Agile project management framework to increase feature development rate and decrease issue resolution time
- Upgraded the electrical configuration and control system of machine simulators

CI Electrical Design Engineer

- Executed electrical and mechanical design projects supporting forestry machines
- Evaluated designs and issued deviations to solve assembly and supply chain issues
- Logged and debugged vehicle controller and CAN bus issues
- Analyzed warranty claim data and performed component FMEA reporting
- Managed design revision impacts and integration to production
- Identified replacement options for electrical component obsolescence
- Ensured designs were in compliance with company and industry standards

Apache Corp.

Jun. '19 - Mar. '20

Drilling Engineer

- Assisted in logistical planning and regulatory reporting of drilling operations
- Performed wellbore analysis calculations and modeling for drilling operations
- Evaluated the accuracy of data collection instruments installed on rigs
- Designed data visualizations for the internal analytics reporting tool

STRENGTHS

A sharp ability for learning both technical systems and industry specific operations combined with an aptitude for applying technology to improve functionality and reduce costs has lead me to achieve great success in all of my professional experiences.

My diverse interests, education, and experiences have yielded me a unique understanding of multi-disciplinary design considerations, workflow, and tools which have allowed me to greatly contribute to project management by identifying blind-spots, mitigating risks, and creating processes to improve cross functional handoffs.



linkedin.com/in/kylebraasch

(815)529-2682

braasckr@gmail.com

kylebraasch.dev

Project Management

Agile Methodologies

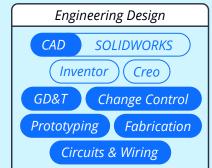
Documentation

Technical Specification

Product Evaluation

Data Design & Definition

TECHNICAL SKILLS

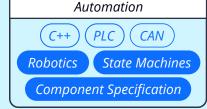


Data Analysis

Excel Python SQL

Data Visualization

Data Transformation



INTERESTS

Agriculture Snowboarding

Woodworking 3D Printing

Linux UI/UX Design

Open Source Software

VIEW MORE