

KYLE BRAASCH

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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.

AREAS OF EXPERTISE

Project Management

Agile Methodologies

Documentation

Technical Specification

Product Evaluation

Data Design & Definition

TECHNICAL SKILLS

Engineering Design

CAD SOLIDWORKS

Inventor Creo

GD&T Change Control

Prototyping Fabrication

Circuits & Wiring

Data Analysis

Excel Python SQL

Data Visualization

Data Transformation

Automation

C++ PLC CAN

Robotics State Machines

Component Specification

INTERESTS

Agriculture Snowboarding

Woodworking 3D Printing

Linux UI/UX Design

Open Source Software

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