

# DYLAN BRYANT

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## SUMMARY OF SKILLS

- Carry out on-site troubleshooting, machining, and repairs
- Design, modeling, and installation of machinery components
- Converse with consumers and contractors in a professional setting

## EXPERIENCE

### **Keurig Dr. Pepper** – **Engineering Intern**

**Knoxville, TN**  
May 2023 – Present

- Improve single production line performance through RCFA and DMAIC process with replication opportunity nationwide
- Work with safety department to identify and remedy safety issues
- Design, model, and install components for production line with Solidworks
- Create detail drawings for new and recently revised models to send to machinist
- Work in conjunction with other teams and operators to determine best course of action to reduce common machine faults

### **Pactiv Evergreen** – **Maintenance Engineer Intern**

**Canton, NC**  
May 2022 – August 2022

- Verified, edited, and created drive maps for paper & board machines and roll finishing area
- Cataloged RPM, HP, and Coupling model numbers for approx. 600 electric motors using stroboscopes
- Design, model, and install components for conveyor systems with AutoCAD
- On-site troubleshooting and emergency repairs for critical machine components
- Provide information to outside contractors regarding their duties and facility information

### **Blount County Robotics, FRC Team 4504** – **Mentor**

**Maryville, TN**  
December 2021 – Present

- Implemented and enforced the use of project management techniques
- Instructed and monitored students to ensure proper machine shop safety
- Assisted lead mentor in conflict resolution among students

### **Access Granted / dormakaba** – **Service Technician**

**Maryville, TN**  
April 2020 – May 2022

- Installation and programming of RFID/NFC based access control to functioning and new commercial properties (primarily hotels)
- Customer Service oriented mindset for talking to property managers and guests
- On-site troubleshooting and machining

## EDUCATION

### **University of Tennessee, Knoxville**

#### – **B.S. Mechanical Engineering | Minor: Aerospace Engineering**

May 2023, Knoxville, TN

#### – **M.S. Mechanical Engineering | Concentration: Advanced Manufacturing**

Expected December 2024, Knoxville, TN

## PROJECTS

### **AIAA Design Build Fly 2022–2023**

#### – **Structures and Manufacturing Team Lead**

*Top placing team in school history, Awarded Best Aerospace Engineering Project*

- Assist in leading weekly team meetings with chief engineer and faculty advisor
- Created solid models and assemblies in SOLIDWORKS during conceptual design
- Researched and implemented composite construction techniques using various carbon fiber and fiberglass weaves
- Edited and sliced solid models to create more effective 3D printed components

- Assisted in optimization of component manufacturability, weight, cost, physical dimensions, and assembly time with respect to project requirements
- Ensured prompt submission of deliverables prior to set deadlines

## **CERTIFICATIONS/TRAININGS**

OSHA 10 Hour Certification - April 2018

SKF Bearing Basics and Installation Training - June 2022

Root Cause Failure Analysis Training - July 2022

Introduction to Change Management - August 2022

Introduction to Export Compliance (EAR/ITAR) - August 2023

Export Compliance When Using Technology in Research - August 2023