

Anthony Tross

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Objective: Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.

Education:

B.S. in Rubber Engineering Technology

Ferris State University, Big Rapids, MI
Graduated December 2019

A.A.S. in Plastic and Polymer Engineering Technology

Ferris State University, Big Rapids, MI
Graduated December 2018

Work Experience:

Engineering Intern

Summer 2019

Applied Medical, 22982 Arroyo Vista, Building 103, Rancho Santa Margarita, CA

- Performed study on Mooney Viscometer determining effects of temperature and rotor speed
- Assisted in purchase of a portable chiller for lab 2-roll mill
- Performed fit tests, drag tests, leak tests, and seal particulate tests on sub-assemblies
- Created a start-up and shut-down manual for a Panstone vertical injection molding machine
- Trained on the Nikon NEIV VMR-3020
- Performed study on effect of accelerators on a polyisoprene compound
- Designed testing aid in SolidWorks for performing tensile set tests
- Collected and performed data analysis of historical mooney viscometer data
- Created a database for polymer material
- Collected and performed data analysis of historical rheology data

Plastics/Rubber Lab Maintenance

September 2018-May 2019; August 2019-December 2019

Ferris State University, 1201 S State St, Big Rapids, MI 49307

- Performed mold changes
- Assisted with new machine set ups

Engineering Intern

Summer 2018

Robin Industries, 5200 Country Rd 120, Berlin, OH

- Performed capability studies on medical parts with metrology results
- Programmed and tested Keyence Machine for metrology use
- Operated lab 2-roll mill to prepare samples of multiple compounds
- Performed adhesion testing with Instron according to company standards
- Collected tensile strength and tear resistance data and generated reports
- Performed silicone testing per ASTM line call-outs
- Performed heat age testing per ASTM standard
- Performed fluid resistance testing per ASTM standard
- Performed insertion and extraction testing

Accomplishments:

- President, Ferris State Rubber Group 2019
- Cum Laude, Ferris State University 2019, 2018
- Finalist, Fowler Global Social Innovation 2019
- Dean's List, Ferris State University 2016-2019