School Address: 1130 Beach Street East Lansing, MI 48823



Home Address: 307 Colorado Ridge Hemlock, MI 48626

OBJECTIVE

Obtain internship in materials science and engineering. Interested in research and new product development.

EDUCATION

Bachelor of Science, Michigan State University

Major: Materials Science and Engineering

Expected Graduation: May 2022

GPA: 3.97

EXPERIENCE

Materials Science R&D Co-op

Johnson & Johnson, DePuy Synthes, Warsaw, IN

January 2019 – August 2020

(Alternating Term)

- Provided technical assistance to various departments related to high performance materials processing and failure analyses
- Performed laboratory testing, experimentation, and validation to support product design using stage gate and technology readiness level (TRL) processes
- Operated, maintained, and collected data for reactor that synthesizes ceramic coating on implants for FDA submission
- Mechanical testing and analysis to support the development of CVD coating

Research Lab Assistant

September 2018 – December 2018

Motor Learning & Rehabilitation Engineering (MOTRE) Lab, East Lansing, MI

- Assisted in research to help measure and characterize motor learning processes
- Applied computational and engineering techniques to research and problem solving
- Participated in studies using motion capture systems and sensors to understand motor coordination

Design Engineer Intern, Transportation Department Spicer Group, Saginaw, MI

May 2018 – August 2018

- Created and updated design documents for roadways and storm sewer projects using AutoCAD Civil 3D software
- Assisted in calculation of project cost/time estimates from design plans

SKILLS

- Programming and data analysis: MATLAB and Python
- Material analytical techniques: SEM, EDS, XRD, and XRF
- Laboratory equipment: digital microscope, tribological systems, profilometer, metallurgical saw, and laser etcher
- Image processing and manipulation: ImageJ Software and Adobe Photoshop
- Computer-aided design: Autodesk AutoCAD Civil 3D

ACTIVITIES, INTERESTS AND HONORS

• Michigan State University - STEM College Tutor

September 2020 – present

Society of Plastics Engineers - Student Member

Fall 2017 – present

• Michigan State University - Dean's List

All terms

12+ years playing and participating on sports teams (basketball, baseball, soccer)