

Israel Lumpkins

Driven Mechanical engineer with educational and industry experience with CAD. I am seeking opportunities to learn, grow, and develop as a Mechanical engineer.

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EXPERIENCE

Anderson Pallet and Crate, Sedalia, CO — Product Designer/Draftsman

January 2022 - December 2023

- Utilized Fusion 360 for digitization of drawings and designs for new crate product development
- Analyzed client needs and develop solutions to meet their needs
- Managed creation of BOMs, building instructions, and management of technical drawings
- Utilized Geometric Dimensioning & Tolerancing (GD&T) on crate drawings for proper manufacturing assembly
- Managed employees to ensure material was ready for orders

Millig Design Build, Denver, CO — Mechanical Engineer I

April 2021 - November 2021

- Ran energy model simulations in eQUEST
- Collaborated with sales team to come up with project cost estimation
- Performed preliminary site walks to evaluate HVAC and lighting systems for improved efficiencies.
- Performed load calculations for retrofit HVAC systems
- Selected new equipment for HVAC retrofits
- Collaborated with other teams in writing RFP proposals
- Involved in the creation of company marketing content

Futamura, Tecumseh, KS — Mechanical Engineer Intern

June 2018 - August 2018

- Problem solving in the design process of a piping system that would improve viscose delivery to support multiple casting machines
- Experienced plant / production environment and became familiar with quality and safety requirements

EDUCATION

Kansas State University, Manhattan, KS — B.S. Mechanical Engineering

August 2016 - December 2020

Kansas State University, Manhattan, KS - Minor in Business

August 2016 - December 2020

SKILLS

Can use Fusion 360 and Solidworks CAD packages

Experience with Python, C#, and Excel VBA

Exposure to finite element analysis (FEA) stress analysis

Hands on approach with the ability to use power tools and pneumatic tools

Experience with additive manufacturing in the form of 3D printing

Interpersonal, communication, collaboration skills

Experience with using bluebeam for drawing sheet analysis

Certifications

Passed Fundamentals of Engineering Exam, EIT

