

David Browning

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WORK AND PROJECT EXPERIENCE

Global Lighting Technologies

January 2023 – April 2023

Project Engineer

Brecksville, OH

- Helped senior engineers with a variety of projects including: flat plate lightguide and circuit board design.
- Used Python to help speed up certain phases of the prototyping process such as file conversion and pattern generation for lightguides.
- Worked hands on with laser engraving prototyping systems and wrote standard operating procedures for certain tasks.
- Reviewed Solidworks drawings and kept production projects up to date.

Nexus Engineering Group

November 2021 – May 2022

Analysis of Photogrammetry Systems

Cleveland, OH

- Performed laser and lidar scans in various locations that mirrored chemical plants.
- Used data gathered from scans to generate a “digital twin” using AutoCad Plant 3D.
- Analyzed both methods with Cloudcompare software in order to determine the benefits and disadvantages of each system.
- Implemented Python to help automate the file organization of laser scans.

C.A Litzler

April 2021 – August 2021

Mechanical Engineer Intern

Cleveland, OH

- Created and revised drawings for industrial tire cord ovens in AutoCAD.
- Generated assembly files in Solidworks and assisted in-house fabrication.
- Explored various manufacturing methods including mill and lathe operations.

Mens Wearhouse

May 2022 – December 2022

Sales Associate

Cleveland, OH

- Helped fit customers for rentals and other occasions.
- Booked weddings and handled all aspects of customer service.

EDUCATION

Cleveland State University

December 2022

Bachelor of Science, Mechanical Engineering

Cleveland, OH

Minor in Mathematics

- GPA: 3.68
- Dean’s List (4 semesters)

CERTIFICATIONS, SKILLS & INTERESTS

Skills:

- Solidworks
- AutoCAD/Plant 3D
- Python
- MATLAB
- Finite Element Analysis

Interests:

- Foreign languages, currently studying Vietnamese
- Basketball, hiking and playing piano