

HENRY HANSEN

EXPERIENCE

ASSOCIATE MECHANICAL ENGINEER

L&T Technology Services | Peoria, IL | 2022 - Present

Engaged with engineering teammates to rapidly prototype components to be used in large-scale applications including mudflaps, busbar drawings, and welding 100s of thermocouples for large-scale testing.

Key Projects

- NX 12 and Collins SVN (PDM) - ITAR
Collaborated with partner vendor to update and generate new drawings using NX 12.
- CAT Large Mining Trucks - Light Structure Design
Utilized CREO to modify and simulate ladder designs for the CAT D11 XE.

INFO DESK ATTENDANT

Carnegie Mellon University | Pittsburgh, PA | 2019 - 2022

- Greeted visitors and communicated essential information relating to their inquiries about the University, its offices, and campus layout.
- Assisted in conducting the setup and smooth operation of special functions and events.
- Coordinated with University staff to solve maintenance and security issues in a timely and discreet manner.

RELEVANT PROJECTS

3D PRINTER CASE

- Used SOLIDWORKS to design an enclosure for a 3D printer to increase safety for visually impaired persons.
- As part of a team, designed and created assemblies using modeled parts.

SAFEKNOCK DOORKNOB

- Designed a doorknob that would unlock when given a specific knocking combination. Team project.

MOPBOT

- Modified and programmed a robot with VEX robotics kit so that it could mop a room.

CONTACT

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EDUCATION

B.S. Mechanical Engineering
Minor in Japanese, Minor in Art

Carnegie Mellon University
May 2022

SKILLS

SOLIDWORKS

NX12

CREO

MATLAB

Python

Arduino

Machining

Laser Cutting

Woodworking

Welding

Photoshop

Maya & Blender

Japanese

VOLUNTEERING

Co-Teacher | USA Karate
2013 - 2022

Activity Assistant | Charles Morris
Nursing Home | 2016 - 2020