

Charlie McLean

Industrial Design

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Design Skills

3D Modeling
Laser Cutting
Traditional Shop Tools
Sewing & Embroidery
Embroidery Digitizing

Technical Skills

3D Printing
3D Printer Maintenance
Adobe Creative Cloud
(Illustrator, Dimension)
SolidWorks
Fusion 360
KeyShot Rendering

Education

BID: Industrial Design, December 2025
Michael Graves College, Kean University
Dean's List, Fall 2022 – Spring 2025

EPRI General Valve Repair Certification - 2025

Professional Experience

Work Study Internship, Tangible Creative, New Jersey
September 2025 – December 2025

- Learn how to implement FDM, SLA, and SLS 3D printers for a variety of customer projects
- Improving skills for repair and maintenance of 3D printers

Digital Fabrication Lab Manager, Kean University, New Jersey
September 2024 – Present

- Operated and maintained Dremel, Raise3D, and Creality FDM3D printers to ensure performance and print quality
- Assisted students on 3D printing projects, providing technical guidance and troubleshooting support

Embroidery Technician, Jeb's Designs, North Carolina
May 2023 – August 2023

- Operated and maintained multiple industrial grade embroidery machines
- Created custom embroidered hats, shirts, and other products to client specifications

Engineering Intern, Titan Flow Control, North Carolina
May 2021 – August 2023

- Gained familiarity with various pipeline products (check valves, basket strainers, etc)
- Reviewed, edited, and updated engineering drawings in Autodesk AutoCAD to ensure accuracy and compliance with ASME specifications