



CAREER PROFILE

Design engineer with four years of combined experience in a manufacturing environment and two years in research and development. Pursuing a Masters in Mechanical Engineering with a focus in Design & Manufacturing. Seeking to leverage 2D CAD, 3D modeling, and rapid prototyping skills.



SKILLS PROFILE

Technical

- Finite Element Analysis
- Design of Experiments
- Engineering Design
- Strength of Materials
- GD&T

Software

- Fusion360
- SolidWorks
- AutoCAD
- Siemens NX 10
- MSC Nastran/Patran

Equipment

- 3D Printers
- XYZ CNC Router
- ULS Laser Cutter/Engraver
- Metal Fabrication Equipment
- DENSO 6-Axis Robots

Languages

- MATLAB
- Python
- PAC Code
- C/C++ (Arduino Based)



EXPERIENCE

Automated Logic | R&D – Embedded Test Engineer

OCTOBER 2018 – PRESENT

- Primary testing resource on a Scrum team of software/firmware engineers.
- Collaborate closely with developers and architects to effectively test Linux-based products.
- Network and hardware setup to test (smoke, functional, and regression) features and components produced by the Scrum development team.

Freelance | CAD Engineer

AUGUST 2017 – JUNE 2020

- Develop working drawings/models from sketches or descriptions developed by clients using 2D and 3D CAD tools.
- Establish design specifications and parameters for CAD models.
- Determine manufacturing processes that meet targets for feasibility, performance, costs, quality, and timing.

PrintForm | Prototype Project Engineer/Account Manager

FEBRUARY 2018 – OCTOBER 2018

- Reduced quoting cost/lead time by translating 2D drawings to 3D CAD models in-house.
- Directed manufacturing of drawings/CAD models through a global supply chain.
- Grew revenues of assigned sales territory with a customer account base of 50+ companies.

Paramont Manufacturing LLC | Project Manager/Design Engineer

AUGUST 2017 – FEBRUARY 2018

- Managed 100+ production molds, 12+ customer CAD models/specifications in PLM database.
- Devise, fabricate, and assemble new jigs and fixtures for use in production lines.
- Reduced fabrication costs through prototyping with additive manufacturing.

Eastman Chemical Company | Control Systems Support Intern

JANUARY 2017 – AUGUST 2017

NN Inc. | Engineering Co-Op

AUGUST 2015 – DECEMBER 2016



EDUCATION

Master of Engineering – Mechanical Engineering: Design & MFG. | Old Dominion University

SUMMER 2018 – SUMMER 2021

Bachelor of Science – MFG. Engineering Technology | East Tennessee State University

FALL 2012 – FALL 2016

- ABET Accredited