



## EDUCATION

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

SUMMER 2018 – SUMMER 2021

GPA: 3.5/4.0

Selected Coursework: Design of Experiments, Engineering Optimization, Concurrent Engineering, Additive Manufacturing, Advanced Manufacturing Technology, Advanced Design, Finite Element Analysis

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

FALL 2012 – FALL 2016

GPA: 3.59/4.0

Selected Coursework: CIM Applications, CNC, Machine Tools, Manuf. Processes/Specs., Process Control & Instrumentation, Electrical Principles, Electronics 1, Digital Circuits, Microprocessors, Advanced Robotics



## SKILLS PROFILE

### **Technical**

- Design of Experiments
- Finite Element Analysis
- 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
- C/C++ (Arduino Based)
- Python
- Java
- PAC Code



## EXPERIENCE

### **Automated Logic | R&D –Test Engineer (Embedded/Integration)**

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