|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Long**  Le | |  |  | | --- | --- | | (770) 410-8761 |  | | long@longble.com |  | | www.linkedin.com/in/longbale |  | | longble.com |  | |  |  | |  |  | |

|  |  |
| --- | --- |
|  | 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  - AXYZ 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