

# Matt-Sale Howell

## OBJECTIVE

An advanced professional position in the technology industry that will capitalize on my passion for learning, robust skill set, broad knowledge, deep business acumen and excellent leadership abilities.

## EDUCATION



### Rochester Institute of Technology Rochester, NY

Degree: Master of Science, 2022  
Major: Master of Science in Secondary Education  
GPA: 4.0/4.0 \* Director's Honor List, NRSC Scholarship



### NASCAR Technical Institute Mooresville, NC

Major: NASCAR / Ford FACT Technology, 2009  
GPA: 4.0/4.0; Attendance: 100%  
\* Director's Honor List, Crew Chief Awards, 3 Scholarships

### Rochester Institute of Technology Rochester, NY

Degree: Master of Science, 2002  
Major: Computer Integrated Manufacturing  
GPA: 3.1/4.0 \* RIT Graduate Scholarship

Degree: Bachelor of Science, 2000  
Major: Mechanical Engineering  
GPA: 3.2/4.0 \* Maurice & Maxine Forman Scholarship

Degree: Associate in Applied Science, 1996  
Major: Electromechanical Technology  
GPA: 3.4/4.0

## SKILLS

**Software Skills:** SolidWorks, AutoCAD, Pro/ENGINEER, VXELEMENTS, ProModel Simulations, Logic Controller, C/C++, Photoshop, Pagemaker, Illustrator, Premier, MS Office Suite

**Soft Skills:** Leading high-performing teams, collaborative practitioner, innovative leader, fosters teamwork, strong emotional intelligence

## CONTACT



Mooresville, NC 28117



mattsalehowell@gmail.com



704-746-3203 (Video Phone)  
704-402-6759 (Text Message)



linkedin.com/in/mattsalehowell



[www.mattsalehowell.com](http://www.mattsalehowell.com)



## WORK EXPERIENCES



### NTID Regional STEM Center

M.E.L.D. Decatur, AL, 2020 - Present



MELD (Mechanronic Engineering for Leadership in Deafness) as STEM outreach trainer for the Deaf and Hard-of-Hearing teachers and students covering 48 United States. Prepare, plan, administer, teach, and train through conferences, workshops, and classes. The STEM subjects are not limited to but includes:

- SolidWorks CAD
- Underwater ROV
- 3D Printing
- Raspberry Pi
- 3D Scanning
- Vex VRC Robotics
- Drones
- Vex IQ Robotics

Hosts annual national Deaf/HH drone and underwater ROV competitions.



### North Carolina School for the Deaf

Career Technology Education Teacher Morganton, NC  
2018-2020

- Prepared, planned, administered, and taught technology courses

#### TECHNOLOGY ENGINEER & DESIGN:

- Upgraded all engineer classroom computers specification to meet current demand
- Established Solidworks Professional CAD on all computers
- Simulated daily class into engineer project perspective instead of traditional classroom activities
- Used 3-D printer for prototypes on all student design projects

#### AUTOMOTIVE TECHNOLOGY:

- Upgraded automotive equipment and specialty tools to match work field usage
- Developed program to offer NC3 certifications in Wheel & Alignment Service field

#### ROBOTICS:

- Robotic coach
- Consulted on robotic projects including design & programmings
- Participated in Vex World Competitions
- \* NCSD teams received Excellence, Champion, and Design Awards



Detroit Speed & Engineering  
Quality Manager Mooresville, NC 2014-2018



MSI Defense Solutions / JRi Shocks  
Quality Manager Mooresville, NC 2009-2014



\* Further Work Experiences in [www.mattsalehowell.com](http://www.mattsalehowell.com)