

# Matt-Sale Howell

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**Objective:** A professional position in the motorsport industry that will utilize my skills, industry knowledge, and business acumen, acquired through work experiences and higher education.

**Education:** ***Nascar Technical Institute, Mooresville, NC***  
 Major: Automotive / NASCAR / Ford FACT Technology  
 GPA: 4.0/4.0  
 Attendance: 100%  
 Graduation: September, 2009

***Rochester Institute of Technology, Rochester NY***

**Degree: Master of Science, May 2002**  
 Major: Computer Integrated Manufacturing; GPA 3.0/4.0  
 **Degree: Bachelor of Science, May 2000**  
 Major: Mechanical Engineering of Technology; GPA 3.2/4.0  
 **Degree: Associate in Applied Science, May 1996**  
 Major: Electromechanical Technology; GPA 3.4/4.0

**Honors & Achievements:**

- NASCAR Technical Institute Director's Honors List
- NASCAR Technical Institute Student of Course: Electric & Undercar courses
- NASCAR Crew Chief Award in Automotive: Powertains course
- NASCAR Live Your Passion Scholarship
- NASCAR Technician of Tomorrow Tuition Scholarship
- Maurice and Maxine Forman Scholarship
- RIT Graduate Scholarship
- Delta Sigma Phi Fraternity Held numerous leadership positions within during an eight year period including coordination of multiple philanthropic events

**Certifications:**

- ASE (Automotive Service Excellence): A1 Engine Repair
- EPA 609 Certification
- ALLDATA Certification: Information Specialist Program

**Technology Skills:**

- Software: AutoCAD, Pro/ENGINEER SolidWorks, ProModel Simulations, Rockwell Program Logic Controller, C/C++, Basic STAMP, CorelDRAW, DRAWEditor, Pulse Digitizing, Visual Studio, Photoshop, Pagemaker, Illustrator, Premier, MS Office Suite

**Special Interests:**

- Howell-Davis Racing**
  - Owner/Driver, race car #6 race - Arena Racing USA series

**Deaf NASCAR Fans - DNF**

- Founder, 2008
- [www.deafnascarfans.com](http://www.deafnascarfans.com)

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- Work Experiences:**
- MSI Defense Solutions / JRi Racing Shocks** Mooresville, NC  
*Design Engineering* 2010 - Present
    - Participating member of military vehicle engineer team
    - Design detailed 3-D models for full vehicle and vehicle parts
    - Research, analyze, and develop proposals for part upgrades
    - Oversee shock dyno tests
    - Assemble and disassemble military and racing shock products
    - Identify, diagnose, and repair failed shock products
    - Test prototypes to assess operating functions and determine if goals are achieved
    - Review parts to assess fit and provide recommendations for maximum performance
    - Utilize Pro-ENGINEER Wildfire 5.0 CAD
  
  - Grumpy's Performance** Concord, NC  
*Crew Member* 2009 Racing Season
    - 3 UARA racing series Late Model Stock Cars
    - serve as shop technician and crew member
    - oversee engine swaps, transmission, suspensions, steering, metal fabrication, and body works
    - prepare and set-up cars for upcoming races
    - attends to race tracks as pit crew during tests and racings
  
  - Sports Endeavors, Inc.** Hillsborough, NC  
*Customization Manager* 2002 - 2008
    - managed 26 employees that included 2 shifts
    - interviewed, hired, trained, performance coached, and terminated embroidery department team members
    - managed and analyzed a budget of \$340K, achieving assigned financial goals
    - successfully built relationships, communications, and partners cross-divisionally throughout organization
    - strong customer facing skills, domestic and international
    - committed to continuous process development and improvement for all department operations
    - served as quality control liaison, ensuring the highest of standards
    - directed all embroidery's incoming orders requested digitizing, requiring
    - oversaw the functionality and usability of 30-head embroidery machines, provided sole technical support
    - independently launched and grew embroidery department from conception to \$2.2 million revenue stream
  
  - United Technologies** Syracuse, NY  
**Carrier Corporation** 1999-2000  
*Qualification Engineer*
    - member of scroll compressor team
    - analyzed refrigeration system test result
    - developed terminal block & power plug engineering qualifications
    - analyzed dome temperature test result
    - managed CE marking approval process
    - evaluated paint engineer qualifications
  
  - Sims Group** Asheville, NC  
*Consulting Engineering Assistant Intern* Summer 1998
    - revised engineering drawings in AutoCad software with HVAC, drain, plumbing, fire safety, and electrical installation
    - set-up and taught Softdesk and Elite software
  
  - Liberty Pumps** Bergen, NY  
*Product Engineering Assistant Intern* Spring 1998
    - assisted in Product Engineering projects
    - converted CadKey drawings into SolidWorks
    - updated and established Bill of Materials for pump and tanks
    - assembled and disassembled hardware

**References:** Available upon request