

**Matthew A. Maxey**

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**Qualifications:**

Highly motivated, creative, and versatile engineering student. Quick-learning and adaptable. Excellent analytical and organizational skills. Seeking to continue success in professional industry by implementation and execution of mechanical engineering education and training.

**Education:**

University of Michigan – Dearborn, Dearborn, Michigan

Current Student – Senior Standing

Dual Major: B.S.E. **Mechanical Engineering, Engineering Mathematics**

Anticipated Graduation: Winter 2008

**Experience:****Matthew Maxey Motorsports****Owner/Driver/Coach/Engineer****July 2006 – Present**

Independent motorsports consultant specializing in performance driving, driving instruction, race car setup, and engineering via data acquisition analysis

- Provide single-event and full-season trackside support services for professional, semi-pro, and amateur drivers and teams on individual customer and team contract basis
- Advisor, coach, strategist and consultant for a variety of racing disciplines including sprint and endurance road course racing, stock car oval racing, autocross, and karting

**B-K Motorsports****Data Acquisition Engineer – Grand Prix of Mosport****August 2007**

LMP2 Class: American Le Mans Series

- Vehicle: Mazda MZR-R Lola B07/46

L-1 Class: IMSA Lites Series

- Vehicle: Mazda Panoz DP02

Responsibilities include:

- Timing/Scoring and Track Notes duties during race weekend
- Calibration and adjustment of sensors on vehicle
- Team communications and electronics preparation
- Downloading, analysis and interpretation of vehicle data

**Hale Motorsports / HooverSpeed Motorsports / SarWood Racing****Data Acquisition Engineer****February 2007 – August 2007**

SCCA Pro Racing Mazda MX-5 Cup Series

- Vehicle: Mazda MX-5 Miata

Responsibilities include:

- All Timing/Scoring and Track Notes duties during race weekend
- Calibration and adjustment of sensors on vehicle
- Team communications and electronics preparation
- Downloading, analysis and interpretation of vehicle data
- Briefing and De-briefing drivers before and after each track session
- Working with crew members as to adjustments needed on vehicle

## **Playboy Unitech Racing**

### **Data Acquisition Engineer – Rolex 24 at Daytona**

**January 2007 – March 2007**

Grand Touring Class: Grand American Rolex Sports Car Series

- Vehicle: Porsche 911 GT3 Cup (Type 997)

Grand Sport Class: Grand American Koni Challenge Series (Formerly Grand American Cup)

- Vehicle: Nissan 350Z

Responsibilities include:

- All Timing/Scoring and Track Notes duties during race weekend
- Calibration and adjustment of sensors on vehicle
- Downloading, analysis and interpretation of vehicle data
- Working with other engineers and crew members as to adjustments needed on vehicle

## **Turbo Performance Center (TPC) Racing**

### **Data Acquisition Engineer**

**February 2005 – June 2006**

GT Class: Grand American Rolex Sports Car Series

Vehicle: Porsche 911 GT3 Cup (Type 996 & 997)

Responsibilities include:

- All Timing/Scoring and Track Notes duties during race weekend
- Calibration and adjustment of sensors on vehicle
- Team communications and electronics preparation
- Downloading, analysis and interpretation of vehicle data
- Briefing and De-briefing drivers before and after each track session
- Working with other engineers and crew members as to adjustments needed on vehicle

## **Team Sahlen's / Phoenix Promotions Racing**

**March 2006**

GT Class: Grand American Rolex Sports Car Series

- Vehicle: Porsche 911 GT3 Cup (Type 996)

GS Class: Grand American Cup Series

- Vehicle: Porsche 911 GT3 Cup (Type 996)

ST Class: Grand American Cup Series

- Vehicle: Dodge SRT-4

## **University of Michigan – Dearborn Formula SAE (Society of Automotive Engineers) Race Team**

### **Designer / Crew Member**

**2002 – Present**

Collegiate level racing team where students design, fabricate and compete formula-style cars

- Assisted with chassis design and fabrication of race car

## **Summit Academy High School Alternative Energy Racing Program**

### **Team Manager**

**2001 – Present**

High School level racing team where student members design, fabricate, and compete electric-powered high-speed vehicles

Current duties:

- driver coach
- vehicle designer
- team advisor/ captain
- Former driver during High School tenure – set world closed course speed record (May 29, 2002: 58.6 mph)

## **Skills:**

### **Data Acquisition:**

- AIM Race Studio 2 Software
- AIM RS2 Analysis Software
- AIM MXL Pista/Pro Dash/Logger
- Motec ADL1 Dash/Logger
- Motec ADL2 Dash/Logger
- Motec ADL1 Dash Manager Software
- Motec ADL2 Dash Manager Software
- Motec I2 Standard Data Acquisition Software
- Motec I2 Pro Data Acquisition Software
- Motec M400, M600, M800 ECU
- Motec ECU Manager Software
- Motec Telemetry
- Race Technology DL1 Data Logger
- Race Technology Data Analysis Software

**Timing/Scoring:**

- RMonitor Timing and Scoring Software
- GINA Radio Modem
- SEi Mapping

**Miscellaneous:**

- Proficient in Microsoft Windows Operating Systems (Windows 95, 98, NT, ME, XP, Vista)
- Microsoft Office Suite
- MATLAB and C programming
- I-DEAS 8 Parametric Modeling
- CompTIA Network+ trained

**Certifications – Associations – Memberships:**

Sports Car Club of America  
 Grand American Road Racing Association  
 National Society of Black Engineers (NSBE)  
 Society of Automotive Engineers (SAE)  
 Ford Motor Company Minority Engineering Scholarship Recipient  
 National Electric Cart Association (NECA)  
 Electrathon America