

## Professional Experience

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Test Engineer : Applied Technical Services Corp.

### **January 2020 -**

- Test Engineer responsible for production of Valve Index BaseStation
- Responsible for defining test specifications, carrying out tests, and providing detailed data-analysis and recommendations to key project stakeholders.
- Manage Test program deployment pipeline and coordinate deployment and validation of Test Builds.
- Implemented agile workflow internal to Test-Engineering department
- Developed, Supported, and Implemented in-house data-analysis tools for Engineering Team

Software Engineer : HH Development Limited

### **January 2019 - May 2019**

- Develop Software for Motorsport Data Management in an Agile Development environment
  - Microsoft .NET Development Environment for Desktop, Web, and Mobile Applications
- Customer Support and Liason - including remote trackside support of tests and races.
  - Diagnose and Triage software and setup issues.
- Main Roles: Software Development, Internal Product Testing, Customer Support

Assistant Race Engineer: Meyer Shank Racing (IndyCar and IMSA (NSX GT3))

### **November 2017 - November 2018**

Control Systems and Performance Engineer: Freelance Engineer

### **December 2015 - October 2017**

#### **Client Summary**

Teams	Cars	Championships
Audi Sport ISR	Audi R8 GT3	Blancpain GT
Tockwith Motorsport	Ligier JSP217 LMP2	European Le Mans Series + Le Mans 24h + Selected World Endurance Championship Rounds
Gruppe M Racing	Mercedes AMG GT3	Blancpain GT Asia
Private Testing	Euroformula F3	Euroformula F3
Greaves Motorsport	Gibson G15 LMP2 / Ligier JSP2 LMP2	European Le Mans Series (2015 Champions) + Le Mans 24h

#### **Additional Engineering & Motorsport Roles**

Junior Performance Engineer: Greaves Motosport	June 2015 – January 2016
Design Engineer (Summer Placement): Greaves 3D Engineering	June 2015- September 2015
Junior Tyre Technician: Rebellion Racing	June 2015 - 24H Le Mans
Data and Mechanic: BMW Club Racing	2011-2013
Junior Mechanic and Track Support: Korman Autoworks	2009-2013

## Additional Motorsport and Engineering Qualifications

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MIA Winter School of Race Engineering Oxford, UK December 2012

Optimum G Applied Vehicle Dynamics Birmingham, UK January 2017

Optimum G Data Driven Performance Engineering Birmingham, UK January 2017

## Other Work Experience

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Arc'Teryx Seattle	Product Guide	September 2019 - December 2019
Blue Force Technology	Composite Manufacturing Apprentice	2012-2013

## Education

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BEng Motorsport Engineering - Oxford Brookes University

Oxford, United Kingdom (September 2013- December 2017)

### Industry-Relevant Work

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"Stability and Control Analysis of a LMP2 Sportscar Prototype" (Collaboration with Greaves Motorsport)

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"Design Study: LMP2 Coupe Front Suspension" (Collaboration with Gibson/Zytek Motorsport)

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"Vehicle Performance Analysis using MATLAB"

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Associates of Science (Motorsport Technology) - Forsyth Technical Community College

Winston-Salem, North Carolina USA (September 2011- May 2013) – 3.3 GPA

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## Technical Skills

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- (Expert) Data Acquisition, Telemetry, and Data Analysis (PI Toolbox, MOTEC, MATLAB, Bespoke Tools)
- (Expert) Motorsport Control Systems and Configuration (MOTEC, PI Toolset, Bosch)
- (Advanced) Motorsport Strategy, and Analysis Tool Development
- (Advanced) Vehicle Dynamics and Simulation - Including Multibody simulation development
- (Advanced) Network Administration, Computer Setup/Build, General Technology Fluency
- (Advanced Level) Git, Database/Data Engineering, AGILE Development Processes
- Technical Reporting
- Engineering and Project Management (Traditional + AGILE Workflows)

## References

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References Available upon [request](#)