Corbin Heist

Seattle, WA | Contact@Corbinheist.com

Professional Experience

Test Engineer : Applied Technical Services Corp.

January 2020 -

- Test Engineer responsible for production of Valve Index BaseStation
- Responsible for definiing test specifications, carrying out tests, and providing detailed data-analysis.
- Developed Open Source Centric Data Analysis Workflows

Software Engineer : HH Development Limited

January 2019 - May 2019

- Develop Software for Motorsport Data Maanagement
- Customer Support and Liason - including remote trackside support of tests and races.
    - Diagnose and Triage software and setup issues.
- Main Roles: Software Development, 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 F3 Testing	Euroformula F3	Euroformula
Greaves Motorsport	Ligier JSP2 LMP2	European Le Mans Series + Le Mans 24h

Junior Performance Engineer: Greaves Motosport

June 2015 – January 2016

Greaves 3D Engineering Engineer (Summer Placement)

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

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

Arc'Teryx Seattle Brand Store - Product Guide

Blue Force Technology Composite Manufacturing Apprentice

2012-2013

Education

BEng (Hons) Motorsport Engineering - Oxford Brookes University

Oxford, United Kingdom (September 2013- December 2017)

Unique Projects

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

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

"Vehicle Performance Analysis using MATLAB"

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

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

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

August 2011-May 2013 **(3.5 GPA)**

Winston Salem, North Carolina, USA

Technical Skills

- (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, Tactics, and Analysis Tool Development
- (Advanced) Vehicle Dynamics and Simulation
- (Advanced) Network Administration, Computer Setup/Build, General Technology Fluency
- (Advanced Level) Git, Database/Data Engineering, AGILE Development Processes
- Technical Reporting
- Engineering and Project Management

References

References Available upon request