



## DATA ACQUISITION & RACE ENGINEER

Carmel, Indiana | 917-515-0451 | griffin@griffinyellinracing.com | griffinyellinracing.com

### PROFILE

Race engineer and competitive driver. Hands-on F4 experience with GEMS ECU, Cosworth Pi, and AIM. Recent Motorsport Technical School DAG graduate — data acquisition, vehicle dynamics, tire science, aerodynamics, suspension, race strategy. Build custom data and setup tools to solve real engineering problems. Driver's instinct for translating feel into data.

### ENGINEERING EXPERIENCE

**Race Engineer (Lead)** / *Motorsport Technical School — Ligier JSF4 F4* Apr 2026

- Led car preparation and pre-event workflow for the team's F4 track day at Putnam Park; sourced and organized the complete technical manual library (HPD engine, Sadev gearbox, JRi dampers, AIM, Tilton, GEMS ECU).
- Rebuilt and reorganized the wiring loom and harness on the Ligier JSF4; serviced all engine and chassis connectors. Contributed directly to a full engine swap.
- Monitored and documented HPD engine parameters during first crank and initial startup; liaised directly with manufacturers and team owners via personal industry network to resolve engineering questions.
- Built the team's engineering document stack from scratch in Excel: run plan, setup sheet, driver procedure, lap tracker, tire tracking sheet, engine break-in tracker, spare parts manifest, and driver feedback sheet. Also built a live setup configuration app for the team — [gysetupconfig.netlify.app](#).

**Coach / Engineer** / *ENVE Motorsports — USF Pro Championships* Oct 2025

- Contributed across coaching and engineering during a professional race weekend — applying both driver insight and technical knowledge to real-time team decisions on setup direction and driver development.

**Floater Mechanic** / *TJ Speed Racing* Oct 2025

- Supported race weekend car preparation and garage operations within a professional team environment.

**Spotter** / *Jay Howard Driver Development — USF Pro Championships* May 2025

- Provided real-time trackside spotting, communicating car position and incident data to driver and engineering team.

### DRIVING CAREER

**Racing Driver** / *Jay Howard Driver Development — USF Pro Championships* 2024

- Competed on the Road to Indy ladder, building professional-level understanding of driver-engineer communication and data-driven setup development.

**Test Driver** / *ENVE Motorsports* 2024–2025

- Delivered structured technical feedback for setup development across multiple test sessions.

**Student Driver** / *Skip Barber Racing School* 2023–2024

- Developed advanced single-seater technique through multiple seasons; progressed through full Formula 4 curriculum.

### EDUCATION

**Motorsport Technical School** / *Performance Engineer Program (DAG Track)* Graduated April 2026

- Intensive race engineering curriculum: data acquisition & sensor theory, vehicle dynamics (tire load sensitivity, LSTM bicycle model), aero balance, suspension setup, powertrain analysis, race strategy. Hands-on with GEMS ECU, AIM systems, and Cosworth Pi Toolbox on the Ligier JSF4 platform.

**The Dalton School** / *New York, NY* Class of 2024

- Prestigious college preparatory institution. Coursework in Physics and Calculus. Programmed complex multi-channel lighting sequences using EOS software for live theatrical productions — demonstrating proficiency in programmable control systems and composure under pressure.

### TECHNICAL SKILLS

#### DATA & DAQ

GEMS ECU · Cosworth Pi Toolbox · AIM Systems · iRacing · Data & math channels · Custom tool development

#### VEHICLE DYNAMICS & ENGINEERING

Tire science · Suspension setup · Aero balance · Powertrain · Race strategy

#### MECHANICAL & ELECTRICAL

Engine build · Wiring harness · Connector service · ECU startup · HPD F4 · JSF4

#### SYSTEMS & PERFORMANCE

PC hardware (CPU/GPU) · Sim build · Microsoft Suite · PitFit daily training (IndyCar level)