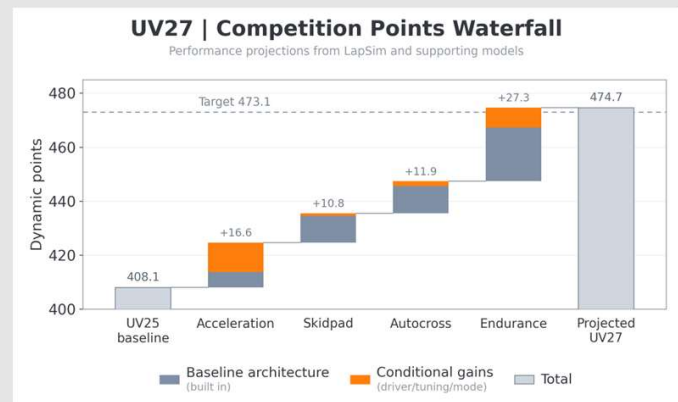
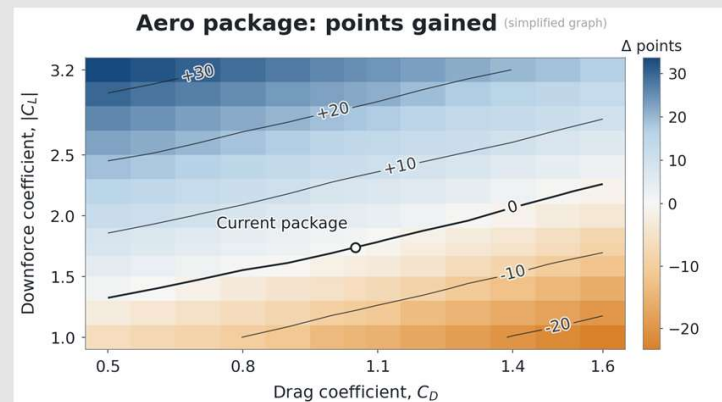


Performance Manager

As Performance Manager, I develop the vehicle-level analysis behind our subsystem targets and development priorities. I also connect competition objectives to vehicle characteristics, compare design alternatives, and work with subsystem leads to judge trade-offs for the complete car. My work involves vehicle performance modeling, reviews with subsystems, and developing actionable team and sub-team goals.

I maintain an expected competition points model and subsystem key metrics documents. My models let us compare effects such as mass, downforce, and other quantifiable parameters on a common performance basis. The key metrics documents also cover reliability, manufacturing, and other considerations that influence the design and execution of the race car even when they might not have a defensible points value.

For Aero, I worked with the leads to create initial targets and created competition point sensitivities for comparing packages using downforce, drag, and installed mass. Additionally, I modeled the performance uplift of a DRS system and quantified other projects with much higher ROI, prioritizing our resources and making sure our decisions were justifiable.



Vehicle Dynamics Lead

I re-established the Vehicle Dynamics sub-team after a two-year gap in dedicated leadership, organizing weekly meetings and technical sessions. Building on my earlier battery modeling, I developed lap-time and tire models and led the performance analysis behind gearing, battery sizing, and competition endurance energy strategy. This work built the vehicle-level understanding and modeling capabilities I now apply as Performance Manager.

