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Dear Sir or Madam,

Dawn Aerospace is a dynamic company seeking to define the space economy in a sustainable way. I am an engineering leader with over 10 years of experience designing, producing, and certifying cutting edge aerospace vehicles. My varied background makes me qualified as a Systems Integrator.

In my current role as a Senior Design Engineer at Pacific Aerospace, I lead projects by balancing performance, resource use, risk, cost, and schedule. My role coordinates design resources, flight test, production, quality control, along with third party vendors from across the world. As problems are found, I find solutions that are timely, cost effective, and compliant by coordinating with our team, suppliers, and contractors. I effectively communicate issues, resource management, and schedules to management.

As a Systems Engineer at Gulfstream Aerospace Company, I led a part of the Verification Team that integrated and tested avionics and subsystems of the Symmetry Flight Deck. Our team verified all aircraft systems to derisk Flight Testing and certify the aircraft. In this role, I developed first of its kind documentation for systems and processes. These were reviewed and signed off by Subject Matter Experts, FAA ARs (delegates), and management. I trained to consider and implement aircraft requirements. This involved understanding the high level requirements and how they flow into low level requirements for subsystems and qualifications. Understanding requirements gave me the tools to effectively communicate concepts with team members as well as outside vendors.

I earned a Masters in Aerospace Engineering from Virginia Tech as a member of a graduate research team assessing the Truss-Braced Wing Concept using Multidisciplinary Design Optimization (MDO). MDO is a field I have had a passion for ever since. As a current member of the AIAA MDO Technical Committee, I stay current with the optimization methods for structures, controls, aerodynamics, and avionics. I even took a short course in Model Center by Phoenix Integration, the leading software companies for MDO and Model Based Systems Engineering (MBSE). I am keen to use these skills on the cutting edge with Dawn Aerospace.

As you will see on the attached resume, I have 10 years of practical aerospace engineering experience. My unique experience from academic, testing, and production environments makes me an excellent fit with Dawn. Thank you for your time and I look forward to creating the future with Dawn Aerospace.

Sincerely,

Kyle Knight