

ANDI ZHOU

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Dear Mr. Doug Wing,

At a recent Lucid Motors career fair at the University of Michigan, I had the distinct pleasure of engaging with numerous enthusiastic engineers and recruiters. However, the highlight of the event was when I was offered an opportunity to ride in a Lucid Air test vehicle. To label that experience as merely "impressive" would be a gross understatement.

From the moment I stepped into the Lucid Air, it became evident that I wasn't just in a car, but in a meticulously crafted experience. Every element, from the spotless 5K display, the seamless UI system, the exceptional noise suppression design and most importantly the unparalleled attention to detail is a real testament to Lucid's mission: designing electric vehicles that is centered around the human experience. It's a mission I'm genuinely excited about and eager to contribute to. With this in mind, I am reaching out to express my interest in the Thermal Mechanical Engineer Position at Lucid Motors.

Although I have an aerospace education, my work experience has been centered around the automotive industry. I have over 9-month of internship experience spanning across both automotive and aerospace and over 2 years of experience as a project leader in my university rocketry team MASA.

At Zoox, I revived a cooling system test rig that was stagnant for 2 years in just 9 weeks. My design recommendations, based on test data, increased the system flow rate by 7.5%. My manager highlighted my fast-paced work ethic and emphasized that I produced more data in 9 weeks than the project had in the previous 2 years.

Further enriching my expertise in mechanical design and CFD software are my internships at Solar Ship Inc. and Volvo Truck North America. At Solar Ship, I developed an extendable yoke mount for an airship cockpit capable of withstanding an 11-G crash load with a safety factor of 2. Meanwhile, at Volvo Truck, I designed a swirl air-coolant separation tank using Star CCM+, achieving a 99% separation efficiency and reducing its mass by 40% compared to the original concept.

Thank you so much for your consideration! I believe my previous work experience and accomplishment, coupled with my strong passion for Lucid's mission, would make me a great asset as a thermal mechanical engineer at Lucid Motor.

Thank you and looking forward to hearing back from the team!

Andi Zhou