

ANDI ZHOU

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Dear Ms. Kendra Coy and the Recruitment Team at Lucid,

I hope your day is going well! Recently, I had the pleasure of interviewing with Arash from the thermal team at Lucid. While I was unfortunately not selected, his genuine warmth, willingness to share insight, and the evident pride in his work just further reinforced my desire to contribute to Lucid's ongoing innovation and the vision of an electrifying future! With this in mind, I am reaching out to express my sincere interest in the Aerodynamic Engineer position at Lucid Motors.

I believe the combined depth, intensity, and outcomes of my internships and research projects have equipped me with a skill set in fluid dynamics that I am confident will help me succeed as an aerodynamic engineer.

At Volvo Truck, I optimized a swirl air-coolant separation tank using Star CCM+, achieving a 99% air separation efficiency and reducing its mass by 40%. In addition, I have prepared numerous CAD models for CFD simulations using the surfacing tool ANSA.

In my research into Entropy-Stable CFD Algorithms, I implemented my own aerodynamic CFD solver using Python and C++ for both Euler's equation of compressible flows and the incompressible Navier-Stokes equation. I firmly believe that as an aerodynamic engineer, it is crucial for us to thoroughly understand the mathematics behind contemporary CFD software.

Furthermore, at the university rocketry team, MASA, I led a team of six in testing a 4-foot rocket fin assembly in a 5x7-foot wind tunnel. We designed a special fixture that not only allowed the assembly to rotate freely but also enabled us to collect aerodynamic torque data at an airspeed of over 120 MPH.

Although the Lucid recruitment event at UMich took place over a month ago, it left me with a profound impression that lasted to this day. I not only had the privilege of interacting with several engineers but was also offered an opportunity for a test ride on Lucid Air. Everything, from the immaculate 5K display to the seamless user interface, and the exceptional noise suppression system illustrated to me Lucid's unparalleled attention to detail. It truly is a testament to Lucid's mission: designing electric vehicles that are centered around human experience. And this is a mission that I am eager to contribute to.

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 an aerodynamic engineer at Lucid Motor.

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

Sincerely,

Andi Zhou