**ANDI ZHOU**

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Dear the Regent Craft Recruitment Team,

I imagine you might find a few aspects of my resume rather intriguing: a blend of aerospace education with automotive experiences, and now applying to Regent as an intern?

Within the automotive domain, I delved deep into the intricacies of thermodynamics, mechanical design, and system optimization, harnessing them to shape future mobility. However, my enduring passion for flight, coupled with my firsthand experience as a licensed pilot, naturally steered me towards aerospace. From flying a Cessna 172, I got to witness firsthand how the aircraft accelerates freely under the influence of ground effect.

Having also had the privilege to engage with Regent employees on Company Day, I was left with a profound appreciation for the camaraderie and approachability that seems intrinsic to Regent’s ethos. My conversation with Deven Parmar, a Test Operation Engineer, was particularly enlightening. His genuine warmth, willingness to share insights, and evident pride in his work reinforced my belief not only in Regent’s mission, but in its culture. This is what really compelled me to apply for an engineering intern position at Regent.

I believe my skill in piloting an aircraft, combined with the engineering leadership and hands-on testing experience from my previous internships, would make me an asset to the team.

At Zoox, I took charge of a cooling system test rig that was untouched for 2 years and revived it in 9 weeks. Using MATLAB for post-processing test data, I enhanced system performance 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.

During my time at Solar Ship, I took on dual roles: as a mechanical engineer intern and a drone test pilot. I flew an experimental 3-meter diameter airship and worked collaboratively with fellow engineers to establish rigorous testing protocols, maximizing safety for all personnel.

Ground effect aircraft, in my opinion, is an underappreciated sector within aerospace. It might not land rockets like SpaceX or conduct vertical take-off like EVTOL aircraft, but the sheer payload capacity showcased by the Soviet Union’s Lun-class ekranoplan serves as a compelling testament to what ground-effect aircraft can achieve.

With my diverse experience, I'm confident in my ability to contribute meaningfully to the team and am excited about the possibility of joining Regent as an engineering intern. Thank you for your consideration and looking forward to hearing from the team!

Sincerely,

Andi Zhou