



Contact

-  **Address**
Tulsa, OK 74105
-  **Phone**
(918) 555-1234
-  **Email**
nikolai.kirby@email.com
-  **LinkedIn**
<https://linkedin.com/in/nikolaikirby>
-  **Website**
nikolaikirby.com

Nikolai Kirby

AI Flight Optimization Engineering Intern

JULY 30, 2026

Hiring Manager
Skydweller Technologies
Oklahoma City, OK

Dear Hiring Manager,

I am thrilled to apply for the AI Flight Optimization Engineering Intern role at Skydweller Technologies, an opportunity that resonates with my advancing skills and powerful aspirations in aerospace and artificial intelligence development.

In the competitive field of autonomous flight, the role promises ample challenges. Given Skydweller's aim to craft the world's largest solar-powered aircraft, innovations in AI systems can remarkably impact operational excellence and efficiency, significantly aligning with my professional ambitions.

During my time as an AI Flight Optimization Intern, I collaborated closely with engineers, helping to prototype an Agentic AI that analyzed telemetry data. Direct results influenced aircraft performance positively, establishing an atmosphere of teamwork and innovation where ideas flourished.

Previously, I developed machine learning algorithms, achieving a commendable accuracy on predictive models. This groundwork enables me to contribute constructively to your projects, ensuring reliable analysis of aerospace telemetry datasets, which is pivotal for engineering decision-making.

Skydweller's committed approach to blending autonomy with renewable technologies inspires me. The intersection of software engineering and sustainable aviation strikes a personal chord, reinforcing my desire to evolve within this field while making a tangible impact on future air travel.

I look forward to the opportunity to discuss further.

Thanks,

Nikolai Kirby

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