610 Jackson St.
Santa Clara, CA 95050
(408)597-4214

March 12, 2020

Skydio
114 Hazel Ave
Redwood City, CA 94061

Dear Skydio,

I am interested in being an Autonomy Intern for Summer 2020.

I believe I have the qualifications in machine learning, Python, and Go-lang (C++ like) to make a helpful contribution towards creating innovative applications of drone technology. Much of my time in college has been devoted towards thinking about neural network architectures and paradigms, differentiable programming and reinforcement learning being two primary interests. I am looking to further my understanding of the stack by working on embedded machine learning.

I have taken an electronics course, where we built radios, stopwatches, and other things in VDHL, as well as an interactive devices course that taught 3D printing and wearable device building. My ideal conversation with an employee would be about autonomy in a multi-agent domain, specifically how to solve the following problem: At UChicago, we have a problem in the winter, many sidewalks need to be cleared and salted on short notice. The current solution is tractors and manually dispersing the salt. I would like to see drones be able to quickly provide a map of unwalkable locations and report this to people cleaning up snow.

Thank you for your time and consideration.

I look forward to your reply.

Sincerely,
Anand Jain
University of Chicago 2021
anandj@uchicago.edu