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**Jonathan Ouyang**

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Dear Christopher Korban,

I am writing to formally express my interest in joining your team at Nexabio Venture Solutions. My name is Jonathan Ouyang, I am an incoming freshman at UCLA majoring in Computer Science with an intended minor in Applied Mathematics. Your company and your mission caught my eye, and I believe that my skills and drive make me a worthwhile investment.

For nearly a year and a half now, I have been a laboratory intern at San Jose State University's AI/DL FPGA/DSP Laboratory, working alongside M.S. graduate students on computer vision enhancement. We aim to develop effective machine learning models to be able to recognize athletic poses and motions, which will open the door to automated AI-powered feedback for athletes. This position was my very first introduction to the realm of AI/ML and computer vision.

What no resume or portfolio can represent, however, is the sheer amount of effort and the lengths I will go to in order to learn everything necessary at whatever costs required. In a matter of weeks I learned the foundational computer vision techniques required for me to assist my graduate mentor on his thesis paper, which was then presented at a virtual IEEE Conference hosted in Tokyo. I then expanded on what I learnt from him, and continued on with our research and am now mentoring a new graduate student in their own thesis project as a continuation of our work.

In addition to my professional skills, I am confident in my academic record. I completed high school with a 3.97 unweighted GPA and 11 APs, reaching the terminal level of math, physics, and computer science offered at my school. I was also dual enrolled in community college in Elementary Statistics, Multivariable Calculus, and Differential Equations. As dedicated as I am to my studies, I am just as dedicated to my community as well. I served as the Manager for my high school's peer tutoring service, managing over 100 active tutors and their contracts. I believe in helping others achieve their full potential, academically or athletically, through my service in peer tutoring or through my research. And that's why Nexabio Solution's mission is so important to me: to continue helping others through my work while simultaneously pursuing my passion and exploring the exciting depths of Artificial Intelligence.

Please feel free to contact me by phone or email at any time. As discussed, I have also attached my resume and portfolio. Thank you for considering my application. I look forward to discussing this opportunity further with you soon.

Sincerely,

Jonathan Ouyang