

Jason Liu

Hello, my name is Jason Liu. I grew up in Beijing, China, and moved to Irvine during my sophomore year of high school, graduating from University High School. Outside of academics, my hobbies include photography, basketball, Formula 1, and video games. I also enjoy exploring new restaurants and shops around the city.

I chose to study electrical engineering because of its fundamental role in solving problems. My passion for math and physics has always driven my curiosity to understand how things work, yet through experiences like founding an environmental club and participating in an exoplanet research internship, I decided that I was more interested in more tangible solutions. As the world rapidly electrifies, I believe the most pressing challenges lie in developing clean energy and sustainable transportation. I chose electrical engineering because it is the critical field for innovating in these areas, allowing me to directly translate my passion for physics into practical solutions for a more sustainable future.

UCLA is the ideal place for me because of its exceptional academic and extracurricular resources. I am excited to take engaging courses like ENGR IIT and join student organizations such as IEEE and Bruin Racing. The ECE Fast Track program is particularly compelling, as it provides unique resources for mentorship, undergraduate research, and entrepreneurship. Of course, as a big sports fan, UCLA's basketball team and the vibrant culture of Los Angeles are also major draws.

While my precise career path is still taking shape, I am particularly drawn to two areas. The first is the clean energy sector, where I'm interested in everything from renewable power generation to developing sustainable energy solutions for the growing demands of AI infrastructure. The second is research and development in fields like semiconductor device physics and the integration of artificial intelligence in robotics. Ultimately, I aspire to be at the forefront of technological innovation, developing solutions that address critical challenges.

