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ASML Holding
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Dear ASML Recruitment Team,

I am writing to express my strong interest in participating in ASML's Software Engineering Internship. I have been captivated by ASML's pioneering work in the semiconductor industry, particularly its innovation in lithography systems that are core to producing faster, cheaper, and more energy-efficient microchips. Understanding how these advancements are crucial for technological progression, from everyday electronics to breakthroughs in healthcare and renewable energy, resonates deeply with my aspiration to develop technology.

In addition to my academic pursuits, I have proactively applied my programming prowess in hands-on contexts. My tenure at SignalGeneriX solidified my skills in statistical analysis and predictive modeling, key components in optimization and innovation, akin to the complexities ASML navigates in hardware-software integration. Presently, I am broadening my skill set by developing a website for my startup, Rentify, delving into numerous facets of full-stack software engineering. My journey underscores not only my quantitative aptitude but also my capacity to rapidly assimilate technical skills in high-pressure scenarios.

My stint as a Java instructor at iD Tech summer camps emphasized the significance of adaptability and intricate problem-solving. When confronted with students' disengagement, I revised my approach, choosing relatable coursework that reinvigorated their interest and diligence, akin to ASML's commitment to continual refinement and innovation. This experience was instrumental, demonstrating that impactful solutions often require non-linear thinking and a readiness to challenge traditional methodologies.

Engaging with ASML's Software Engineering Internship is an unparalleled opportunity to expand my technical acumen, gain insights from seasoned professionals, and participate in groundbreaking projects that influence our collective future. The prospect of contributing to ASML's trailblazing work in semiconductor manufacturing is thrilling, considering its ripple effect across industries and societies globally. I am enthusiastic about collaborating with professionals who are equally committed to technological excellence that propels positive societal change.

I am earnestly looking forward to the possibility of joining ASML's cadre of esteemed professionals and contributing to its innovative journey. Thank you for your time and consideration.

Sincerely,
Merritt Zhang