

# Steve Weng Xiangxiang

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NVIDIA University Recruiting Team  
NVIDIA Corporation  
2788 San Tomas Expressway  
Santa Clara, CA 95051, USA

Dear Hiring Manager,

RE: Application for 2026 Deep Learning Internship (Full-time)

I am writing to express my strong interest in the 2026 Deep Learning Internship at NVIDIA. As a Computer Science undergraduate at The Chinese University of Hong Kong (CUHK) with a cumulative GPA of 3.757/4.0, I am passionate about tackling the "challenges no one else can solve" through advanced AI research. NVIDIA's pioneering work in accelerated computing and generative AI deeply inspires me, and I am eager to contribute my background in deep learning and computer vision to your industry-leading teams. This drive for innovation is reflected in my recent research projects.

My research interests focus on bridging the gap between theoretical AI concepts and efficient implementation. During my project at UNIST, South Korea, I designed a standardized framework to evaluate the decision-making capabilities in models like Gemini and GPT-4o, developing my Python skills and understanding of AI planning limitations. In addition, I possess a strong mathematical foundation in Linear Algebra and Computer Vision. During my Variational Autoencoder (VAE) project, I utilized PyTorch to train convolutional models and derived the Evidence Lower Bound (ELBO) for stable optimization. When implementing VAE, I initially struggled with the non-differentiability of random sampling, and only by adjusting the Reparameterization Trick did I achieve stable convergence. This hands-on struggle gave me a much deeper intuition for gradient flow than any textbook could.

Beyond my technical background, I bring the adaptability needed to work out of the Santa Clara office. Having spent the summer of 2025 studying at UC Berkeley, I'm already highly familiar with the Bay Area and its fast-paced tech culture. Navigating a new city independently and working alongside a highly international group of students really pushed me to grow. Thanks to that experience, I know I can transition smoothly into a US-based team without a steep learning curve.

You'll find the specifics of my C++, Python, and deep learning experience in the attached resume. But I'd really love to connect over an interview to talk about how my background can actively help with NVIDIA's upcoming projects. Thanks for taking the time to review my application.

Faithfully,  
Steve Weng Xiangxiang

Enclosure: Resume