Job Title: AI Image and Video Synthesis Engineer

Job Summary: We are seeking a talented Image and Video Synthesis AI Engineer to join our team and help us develop advanced AI technologies for image and video synthesis and manipulation. As an Image and Video Synthesis AI Engineer, you will be responsible for designing and implementing state-of-the-art algorithms for high quality image and video synthesis, style transfer, and editing.

Key Responsibilities:
- Develop and implement advanced image and video synthesis algorithms using deep learning techniques, including generative adversarial networks (GANs), diffusion model, neural style transfer, and monocular depth estimation.
- Work with large datasets to train and optimize image synthesis models to generate high-quality, realistic images.
- Develop tools and frameworks to streamline the development and deployment of image synthesis models.
- Collaborate with other engineers and data scientists to integrate image and video synthesis models into larger systems and applications.
- Troubleshoot and debug issues with photo synthesis models and systems as needed.
- Stay up-to-date with the latest research in image and video synthesis and machine learning and apply it to practical problems.

Requirements:
- Master's degree in Computer Science, Electrical Engineering, or a related field or 4+ years of equivalent experience.
- Strong programming skills in Python and experience with PyTorch.
- Strong understanding of machine learning and deep learning concepts.
- Experience in developing and implementing generative AI algorithms, such as GANs, diffusions, view synthesis, depth estimation, or style transfer.
- Excellent problem-solving and analytical skills.
- Understand, communicate, and collaborate effectively in an English speaking environment.

Preferred Qualifications:
- Phd. degree in Computer Science, Electrical Engineering, or a related field.
- Experience with video synthesis and manipulation.
- Experience with 3D rendering and image-based rendering.
- Experience with 3D human pose and shape estimation.
- Experience with software engineering best practices, including version control and testing.

If you are passionate about developing cutting-edge AI technologies and have a strong background in image and video synthesis, we encourage you to apply for this exciting opportunity.