Camtek invites you to work in a cutting-edge technology environment and be part of a market leader – join us and nurture your career.
Camtek helps deliver defect-free products by providing first-class, state-of-the-art inspection and metrology systems to the Semiconductor industry.
Whether it is your mobile device, laptop or car we are a crucial part of the manufacturing ensuring the most stringent reliability standards.

Applied AI Researcher

Job Description:

As an Applied AI Researcher, you will be responsible for researching, designing, and developing state-of-the-art deep learning solutions for various computer vision tasks, such as classification and detection.

Your role will involve reviewing academic research, implementing cutting-edge techniques, and innovating novel approaches to tackle complex vision challenges.

Key Responsibilities:

- Lead the development of vision solutions in unexplored areas where existing knowledge is limited and take algorithms from concept to production.
- Conduct research and review academic papers to design and implement scalable state-of-the-art solutions for computer vision tasks.
- Define requirements for datasets and optimize models for performance.

Requirements

- PhD in Computer Science, Electrical Engineering, or a related field from a leading university.
- At least 3 years of hands-on experience in the research and development of deep learning algorithms for computer vision.
- Proficiency in PyTorch, Python, and Git on a Windows environment.
- Strong problem-solving abilities with experience developing innovative algorithms from scratch.
- Familiarity with C++ and C# is an advantage.
- Excellent teamwork and communication skills, with a strong collaborative mindset.
- Ability to navigate ambiguous research areas and contribute to new advancements in the field.

This role is ideal for someone passionate about pushing the limits of vision AI, turning cutting-edge research into practical solutions, and driving innovation in a dynamic and fast-paced environment.