

We deliver Deep Tech to Defense Industry

The defense industry is craving for change. The landscape of warfare is undergoing a significant transformation driven by the relentless march of technological advancements. Advanced technologies like artificial intelligence, robotics, drones, and autonomous systems are fundamentally reshaping how militaries operate and approach conflict.

Computer Vision Engineer

Location: Shift Dynamics HQ

[About the Job]

Real time prediction, Mapping, Tracking, Classification and & Categorization, Detection

Develop next generation CV algorithm

Quantization and management of vision performance

[Requirements]

3+ years of relevant experience in related field

Theoretical background knowledge in Computer Vision and Image Processing

Experience in implementing formula and algorithm for problem solving

High level knowledge in probability prediction and 3D geometry

Software engineering-based design and code development

Highly proficient in C/C++, Standard Template Library and Open source libraries (e.g. Boost, PCL, Eigen, OpenCV, OpenMesh)

[Preferred Qualifications]

Have worked with Visual Odometry, Mapping, SLAM, etc

Practical knowledge in general purpose GPU programming (OpenGL, OpenCL, CUDA)

Knowledge in Deep Learning training, prediction, and online training

Ability to design and develop computational optimization with limited resources

Machine Learning Engineer

Location: Shift Dynamics HQ

[About the Job]

Develop machine learning algorithms for autonomous flight

Implement depth and optical flow predictions based on Deep Learning

Predict object movement based on semantic comprehension

Manage Machine Learning performance quantification and indicator

[Requirements]

Solid foundation for machine learning, deep learning, and automation

Highly proficient in Python language, Deep learning Framework (i.e. TensorFlow, PyTorch, or Cafe)

Experience in designing, learning, and deploying Deep Learning models

Ability to identify and analyze latest technology trends through research papers etc

Solid foundation for theories related to linear algebra and projected geometry

Experience in Data curation, annotation, and management

[Preferred Qualifications]

Experience in object recognition, multi-object tracking, segmentation etc.

Experience in machine learning development and commercialization

Experience in model optimization in embedded systems

Flight Control Engineer

Location: Shift Dynamics HQ

[About the Job]

Develop, verify, and implement next generation drone flight control system solution

Design, implement, evaluate, and establish strategies for motion planning

Develop and verify Low Level control modules

[Requirements]

BA/MA in Control Engineering, Aerospace Engineering, Mechanical Engineering, Electrical Engineering or related fields

Those who pursue a goal-oriented work style that requires analytical problem-solving skills

[Preferred Qualifications]

Experience in developing aviation and robotics systems

Experience in developing robotic arms, autonomous driving, and mobile robots

Programming experience for embedded and physical devices

High level knowledge in Robotics Engineering or a PhD in related fields (or have experience in developing robot recognition, robot operation, and autonomous vehicle system)

Highly proficient in C/C++

Have worked with MATLAB and Simulink

Have research experience in Free Space Representation, Dynamic Programming, and Non-linear optimization

[Office Location]

경기 성남시 수정구 창업로 42 판교 제 2테크노밸리 경기 기업성장센터 (시흥동)

[Required Documents]

이력서, 경력기술서를 하기 이메일로 제출

culture@shiftdynamics.ai

[Recruitment Process]

서류전형 → 필기+실무면접 → 임원면접 → 채용검진 → 입사

[Web Site]

<https://www.shiftdynamics.ai>