

Software Engineer – Deep learning and image processing

Overview

Vision4ce is a supplier of video and image processing solutions to the Electro-Optic systems market across the world. We specialise in delivering real-time video capture, processing and display systems for use in harsh environments such as security and defence. Vision4ce has a unique video tracking technology which has wide ranging application in land, sea and air systems. The proliferation of camera systems in security and defence has created exciting opportunities for the application of this technology to assist in the automation of the camera systems and their integration into wider information networks.

Vision4ce is a small, dynamic company which is part of the Chess Dynamics group of companies who in turn are part of Cohort PLC, the independent technology group. Chess Dynamics is a leading supplier of Electro Optic solutions to a global market within the defence and security sectors. Vision4ce operates a flat management structure which is engineering led. The software team consists of a group of highly motivated engineers with a wealth of experience in image processing and software development. Projects are focussed on providing practical solutions to real world challenges. If you're smart, a team player and the type of person who likes to see their efforts result in products with a day-to-day use then Vision4ce is the place for you.

We are currently recruiting for an exceptional Software Engineer to be responsible for research and development of deep learning and image processing software and algorithms and their integration into deliverable software products.

Responsibilities

- Research and development of deep learning and image processing software and algorithms
- Provision of technical support and integration assistance to international customers
- Generation and review of system specification documents
- Preparation of test documentation
- Fault finding, debugging and resolving issues
- Assist project and senior management, with the successful running and administration of engineering projects
- Follow and support the review and continuous improvement of effective team procedures and working practices.

Experience & Qualifications

- Degree in a relevant discipline such as computer science, electronics, mathematics or physics
- Experience of C++ application development for Windows or Linux using IDE's such as Microsoft Visual Studio
- Experience of video processing or computer vision algorithms development is desirable
- Enthusiastic team player but able to work on own initiative
- Able to adapt quickly in a fast-changing environment

How to stand out

- Final year university project where deep learning has been used
- Familiarity with python data science libraries such as NumPy, Pandas, Keras, PyTorch
- Capable of producing data visualisations using libraries such as StreamLit, Matplotlib, Bokeh, or Plotly
- Experience with web scraping
- Familiarity of object detection algorithms
- Software related side project

What we offer

- Training + Progression + Benefits
- A chance to work with other experienced professionals
- A small company environment where you can make a difference

Location: Wokingham