

MSc thesis project / Internship

Deep Learning for Industrial Robotic Application

Internship projects

Fizyr is currently looking for bright and talented master students who are willing to carry on research and development in deep learning and computer vision, for a MSc thesis project or internship of at least 6 months. Fizyr has a pool of experienced deep learning engineers who can provide support both on pure development and practical implementation..

Autonomous camera calibration

Camera calibration is a crucial step for many vision-based applications. It involves three stages: intrinsic calibration, linking RGB and stereo camera, and extrinsic calibration. At the moment, a calibration involves moving a standard calibration plate manually to different positions in the frame of camera. This has been a norm for several years. We, at Fizyr, would like to go one step further by automating this process. The student is invited to explore the existing algorithm and propose interesting new directions. Ultimately, the challenge is to calibrate any camera (or pair of cameras) with same or better accuracy as the existing methods with minimal manual interventions.

Preferred skills

- Programming experience with Python and/or C++;
- Knowledge of Machine Learning and Computer Vision;
- Basic knowledge of Linux. Nice-to-have

About Fizyr

Fizyr designs, builds, installs, and maintains the world's best vision software product for automated picking and placing in harsh logistics environments. Our deep learning algorithms are used to enable automated handling of unknown objects varying in shape, size, color, material, and stacking, being picked from (conveyed) bulk. Fizyr's product is applied in production all over the world by leading system integrators and end-users, in online retail, warehousing and parcel services. By equipping robots with our software, we manage to free human workers from repetitive or dangerous tasks and to speed up automated processes.

We are a young, fast-growing company recognized for the high quality and capabilities of our algorithms worldwide. What makes Fizyr truly unique is being trusted as a strategic partner and growing successfully bootstrapped for years. To fulfil the growing demands of the logistics industry, we recently secured funding from a respected high-tech venture capital investor. Up to this day, we remain dedicated to creating true value for our partners, so that they can create cutting-edge logistics solutions for their clients.

Our international team of highly skilled experts creates a very exciting, high-tech environment to work in. We have a passion for what we do and challenge each other to deliver high quality results, without forgetting to enjoy quality time together. Fizyr is also close to the research community and works on applications of state-of-the-art computer vision technology.

Contacts

For more information about the company, visit the website: www.fizyr.com

If interested in one or more projects, please send CV and motivational letter to:

career@fizyr.com