



Alchera Technologies uses artificial intelligence to automate infrastructure and smart cities.

We exist to help our clients build responsive, human-scale intelligence into their cities, transport systems and public and private spaces. Founded by researchers from the University of Cambridge & UCL, Alchera Technologies has a strong and rich pedigree of world-leading machine learning and computer vision sensing technologies.

At Alchera we design, develop and deploy a real-time data platform for the automation of smart infrastructure. With a strong core of computer vision leveraging existing video infrastructure, we fuse a number of data sources to provide real-time and predictive insights into the current state of a range of infrastructure and mobility assets.

We are looking for bright and enthusiastic individuals who can demonstrate a keen passion for technology and a desire to improve their knowledge and skills to join the team. Working with us means working in an energetic and fun start-up environment with a team of exceptionally talented colleagues, in a position to shape the future of transport and the built environment.

To apply, please get in touch at careers@alchera.com with a 300-word cover letter and CV.

Computer Vision Internship

Automated traffic analysis from urban surveillance cameras is a fast-emerging field. This internship allows the intern to explore cutting-edge computer vision techniques on a rich and diverse set of traffic videos. You will be exploring interesting problems in the areas of:

- Camera to camera matching and tracking.
- Multiple view geometry
- Using established methods and exploring new ones in the area of object detection and tracking
- Whilst working with Alchera you will gain experience using cutting edge hardware such as NVIDIA Jetson TX2, latest GPUs and also software frameworks NVIDIA DeepStream etc while working with our developers on our existing stack as well as being given the opportunity to work on their own dedicated project.

Skills and Qualifications

- Experience with Python and /or C++.



- Experience with computer vision and ML libraries like OpenCV and TensorFlow would also be beneficial

At Alchera we are passionate about what we do and have a diverse team, the intern will have the opportunity to be part of a ground-breaking company and be able to contribute towards its success.

Key information:

Location: Cambridge, UK

Preferred start date: We are hiring interns on a rolling basis

Duration: 8-12 weeks, with an opportunity to extend to a full-time position

Salary range: Competitive