



Job Title: Computer Vision Research Engineer

Job Description:

- Full-time and internship positions for M.S. and PhD research scientists
- Develop and adapt advanced computer vision and state-of-the-art deep learning techniques for object detection/ classification/ tracking, face recognition, scene understanding, and activity recognition applications
- Analyze and optimize image understanding performance on diverse multi-sensor data sets
- Design and architect practical systems for solving challenging image understanding problems
- Implement computationally complex model training and image understanding applications on high performance embedded computational processing environments
- Work closely with an entrepreneurial team of experienced computer vision researchers and software engineers to successfully execute R&D projects and continue to grow our business base
- Job location: Woburn, MA (north of Boston)

Qualifications:

- MS or PhD in computer science, applied mathematics, electrical engineering or related technical discipline
- Relevant experience in the development and application of computer vision and/or machine learning algorithms to solve challenging image understanding problems
- Strong scientific programming skills, including C/C++, MATLAB, Python
- Independent analytical problem-solving skills
- Experience collaborating within research teams to develop advanced research concepts, prototypes, and systems
- Ability to translate customer requirements to determine research focus
- Strong communication skills and the ability to describe complex technical concepts to fellow researchers as well as to non-technical people
- US citizenship

Our Work Environment:

Systems & Technology Research (STR) is a small company – with offices outside Boston MA, Washington DC, and Dayton OH – focused on providing innovative technology-based solutions to defense, intelligence and homeland security problems. Staff have expertise in signal processing, sensor design, control systems, machine learning, computer vision, video and image processing, social media processing, navigation and tracking, data analytics, systems analysis and software engineering.



We work on emerging technologies, performing fundamental research and development within a small company environment, often collaborating with nationally recognized experts from academia and industry. STR is an exciting place to work – staff work on all phases of projects – problem design, solution discovery, development of prototype algorithms and systems in software and/or hardware, experimentation, data analysis, and system implementation for tests and fielded systems. Our staff get to experience many different roles and assignments, working on multidisciplinary teams over the lifetime of a project.

We offer our employees a competitive compensation package including 401(k), profit sharing, health and welfare benefits, and a casual yet technically challenging work environment.

For a detailed list of our current openings, please visit our careers page at www.stresearch.com