Job Description – **Image Processing Engineer**

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The Image Processing Engineer will develop and test image processing and data classification algorithms for security-related imaging products. The Image Processing Engineer will analyze data and develop methods using machine learning for feature extraction and classification. A critical aspect of this work is visualizing and communicating results. The Image Processing Engineer will create visual interpretations of data and methods, write reports, and create presentations. The Image Processing Engineer will work as part of a multidisciplinary team including expertise in chemistry, software, electronics, and mechanical design. US citizenship required.

Desired Skills

Candidate should have direct experience in imaging processing, preferably real-time processing. Candidate should be skilled in C/C++, Python, MATLAB, or similar tools. Experience with machine learning and classification is highly desired (e.g. k-nn, support vector machine) as well as experience processing multispectral data. Non-image signal processing expertise is highly beneficial. Candidates who also possess experience with optics and optical design will be given special consideration. Experience with imaging systems, illumination systems, LEDs, and photodetectors is highly valued. Applicants should be well organized and have excellent verbal and written communication skills. MS in electrical engineering or related field is required, PhD is preferred.

Company Description

Polestar Technologies is a leader in optical sensing technologies and provides a full suite of monitoring and sensor products, chemical process technology consulting, and scientific research as well technology development for a variety of commercial and government clients.

Added Information

Position: Full Time

Level: Mid-level

Compensation: Salary and benefits commensurate with skills and experience

Industry: Defense and Biopharma