Position Title:	**Biometric Software Developer**
Position Reference Number:	ECRNSID007
Division	National Security and ISR Division
Position Classification:	S&T3-4
Position Location:	Edinburgh, SA
Security Level:	NV2
Minimum Academic Qualification:	Bachelor
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Academic Disciplines

☐ Aerospace/ Aeronautical Engineering, Naval Architecture	☐ Chemical, Radiological, Biological, Food sciences	☐ Materials Science
☑ Computer Sciences, IT, Software Engineering, Telecommunications	☑ Mathematics and physics	☐ Psychology and Social Sciences
☐ Mechanical and Mechatronic Engineering (including robotics)	☐ Electronic/ Electrical Engineering	☐ Other

Position Overview

The Biometric Software Developer will work as part of a multidisciplinary team to develop algorithms and supporting software for identification, characterisation and/or tracking of individuals in both still and video imagery. This will involve algorithm development using machine learning approaches.

Position Duties

Under limited direction, the Biometric Software Developer will contribute to development activities aimed at generating innovative new approaches to the identification, characterisation and/or tracking of individuals in a range of environments. This will require some or all of the following:

- developing and testing biometric algorithms and systems using a variety of machine learning approaches;
- developing and testing software that supports other development and evaluation activities within the group;
- undertaking research in the fields of machine learning and computer vision; and
- presenting results to a range of audiences.

Other Requirements

The position requires:

- well-developed analytical capability and demonstrated problem-solving skills;
- demonstrated ability to develop algorithms using machine learning approaches;
- demonstrated ability to develop software in support of development and evaluation activities; and
- knowledge beyond running off-the-shelf algorithms or other software on novel data.

It is highly desirable for the candidate to have demonstrated ability to develop biometric algorithms using machine learning approaches.