SELECTION CRITERIA

THE UNIVERSITY of ADELAIDE
SUB CRUCE LUMEN

Use this form to define the selection criteria for an academic position at the University of Adelaide.

POSITION DETAILS	
School/Branch:	Centre for Augmented Reasoning, AIML
Classification	Level B

ESSENTIAL MINIMUM CRITERIA

1. PhD in a relevant discipline (Computer Vision, Machine Learning, Biomedical Engineering, etc.)
2. Experience in one or more of the following areas:

- Machine learning and deep learning in general, preferably with experience of medical machine learning developments (i.e., medical image analysis/classification, lesion detection/ segmentation), bioinformatics data processing and handling.
- Analytical data science and applications of Artificial Intelligence
- Statistics and probability theory
- Experience with medical data and applications is preferred

3. Programming experience in Python, R, Matlab, C++ or other relevant language
4. Track record of publications in top-tier Machine Learning, Computer Vision Conferences and/or journals, commensurate with experience and opportunity.
5. Fluency in written and spoken English, with an ability to communicate scientific ideas to an expert audience.
6. A strong work ethic, and the ability to work well independently, and also collaborate with a team of cross-disciplinary researchers.
7. Commitment to support University of Adelaide's commitment to reconciliation and acknowledge the importance of working in partnership with Aboriginal and Torres Strait Islander People.
8. Commitment to the principles of equity, diversity and inclusion and ability to contribute to the diversity of the School Community

DESIRED CHARACTERISTICS

1.

APPROVALS – HEAD OF SCHOOL/BRANCH MANAGER

Head of School / Branch Manager

Name:…………………………………………..Signature:……………………………………….. Date:……………………………..

ACKNOWLEDGEMENT OF INCUMBENT

I have read and understood the requirements of the position

Name:*(please print)*……………………………………..Signature:…………………………………….Date:……………………………..

Recruitment Handbook	Recruitment Procedure	Effective Date:	11 May 2016	Version 2.3
Authorised by	COO and Vice-President (Services and Resources)	Review Date:	11 May 2019	Page 1 of 3
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of ADELAIDE

SELECTION CRITERIA

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SUB CRUCE LUMEN

Use this form to define the selection criteria for an academic position at the University of Adelaide.

POSITION DETAILS	
School/Branch:	Centre for Augmented Reasoning, AIML
Classification	Level C

ESSENTIAL MINIMUM CRITERIA

1. A PhD qualification with at least 4 years of postdoctoral or equivalent industrial experience in computer vision, machine learning, Biomedical Engineering a or other closely related area.

2. Significant experience in one or more of the following areas:

- Machine learning and deep learning in general, preferably with experience of medical machine learning developments (i.e., medical image analysis/classification, lesion detection/ segmentation), bioinformatics data processing and handling.
- Analytical data science and applications of Artificial Intelligence
- Statistics and probability theory
- Experience with medical data and applications is preferred

3. Significant programming experience in Python, R, Matlab, C++ or other relevant language

4. A strong track record of generating new ideas and quality research outputs as evidenced by high quality publications in one or more of machine learning, computer vision conferences and/or journals commensurate with experience and opportunity. Quality can be demonstrated by one or more of: the prestige of the publication venue, citations from peers, media coverage, other forms of impact the publication has had including policy, change in practice, start-ups, attracting industrial funding to new projects, and so on.

5. A strong track record of building new research directions and leading quality research programs in the area of machine learning, computer vision and/or artificial intelligence evidenced by one or more of: investigator roles in grants, contract research, consultancies, media coverage, joint publications with project partners, patents, commercialisations or other non-commercial outcomes.

6. Ability to attract competitive research funding.

7. Fluency in written and spoken English, with an ability to communicate scientific ideas to an expert audience.

8. A strong work ethic, and the ability to work well independently, and as a member of a broader team, including with industrial partners.

9. Commitment to the principles of equity, diversity and inclusion and ability to contribute to the diversity of the School Community

DESIRED CHARACTERISTICS

1. Demonstrated ability to attract and/or supervise high quality honours research students and postgraduate research students as evidenced by one or more of: excellent grades, awards, high quality publications or equivalent experience in the supervision of junior staff in related projects.

APPROVALS – HEAD OF SCHOOL/BRANCH MANAGER

Head of School / Branch Manager

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