CAR 3.2_rec-rec-selection-criteria-form

# 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. Have or be about to complete a PhD (or equivalent qualification) in Machine Learning, Computer Vision, or Natural Language Processing |
| 2. Experience of working with various deep learning tools such as Pytorch or Tensorflow |
| 3. A track record of publications in machine learning research, for example, few-shot learning, incremental learning, domain generalisation, etc., for computer vision or natural language processing applications. |
| 4. Research experience in one or more of the following areas: few-shot learning, incremental learning/life-long learning, domain generalization, semi-supervised learning, or unsupervised learning (machine learning); machine learning algorithms in image/video segmentation or detection, activity recognition (computer vision); machine learning for semantic parsing, question answering or dialogue systems or related problems (natural language processing). |
| 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 as a member of a broader team, including with industrial partners. |
| 7. Commitment to the principles of equity, diversity and inclusion and ability to contribute to the diversity of the School Community |

| DESIRED CHARACTERISTICS |
|---|
| 1. |
| 2. |
| |

| 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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# 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 C |

| ESSENTIAL MINIMUM CRITERIA |
|---|

1. A PhD (or equivalent qualification) with at least 4 years of postdoctoral or equivalent industrial experience in in Machine Learning, Computer Vision, or Natural Language Processing

2. Significant experience of working with various deep learning tools such as Pytorch or Tensorflow

3. Significant research experience in one or more of the following areas: few-shot learning, incremental learning/life-long learning, domain generalization, semi-supervised learning, or unsupervised learning (machine learning); machine learning algorithms in image/video segmentation or detection, activity recognition (computer vision); machine learning for semantic parsing, question answering or dialogue systems or related problems (natural language processing).

4. A demonstrated strong track record of generating new ideas and quality research outputs in for example, few-shot learning, incremental learning, domain generalisation, etc., for computer vision or natural language processing applications, 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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Name:…………………………………………….Signature:……………………………………………. Date:………………………………..

## ACKNOWLEDGEMENT OF INCUMBENT

I have read and understood the requirements of the position

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

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