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## Human Resources

## Recruitment Handbook

**SELECTION CRITERIA**

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

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| **POSITION DETAILS** |  |
| **School/Branch:** | School of Computer and Mathematical Sciences |
| **Classification** | Grant Funded Researcher (B) |

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| **ESSENTIAL MINIMUM CRITERIA** |
| 1. To have or be about to complete a PhD in related fields such as mathematics or computer science; *Candidates without a PhD who hold the equivalent skills and experience in related topics may also be considered* 2. Demonstrated experience with Python, NetworkX 3. Demonstrated experience with web development 4. Demonstrated experience with IP networking 5. Be eligible to attain a Commonwealth of Australia Department of Defence security clearance; and 6. Commitment to the principals of equity, diversity and inclusion |

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| **DESIRED CHARACTERISTICS** |
| 1. Knowledge of and interest in system and network security including active directory and operating system 2. Knowledge of and interest in machine learning and statistical inference 3. Demonstrated experience with SDN particularly OpenFlow or P4 and one of the controllers written in Python Pox, Ryu or OsKen 4. IP allocation themes, DNS implementation schemes, ACL concepts, Configuration of various network protocols and services using open-source software (ie. bind, ffr, iptables, Apache, Open vSwitch) 5. Demonstrated experience with network emulation and virtualisation using LXC or Docker 6. Knowledge and some experience with developing higher dimensional visualisations |
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| **APPROVALS – HEAD OF SCHOOL/BRANCH MANAGER** |
| Head of School / Branch Manager  Name:…………………………………………………..Signature:………………………………………………. Date:……………………………….. |

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| **ACKNOWLEDGEMENT OF INCUMBENT** |
| I have read and understood the requirements of the position  Name:*(please print)………………………………………….*Signature:………………………………………….Date:……………………………….. |