

School of Computer Science
and Engineering

SecEDU SCHOLARSHIP in MALWARE ANALYSIS

Cyber Security Research Scholarships of \$20,011 p.a. are available to outstanding computing and cross disciplinary PhD and Research Masters students studying malware detection and analysis in complex enterprise systems under the supervision of Prof Richard Buckland.

You are invited to apply for scholarships to carry out research into new methods for detection of malicious software (malware) from analysis of system event logs.

Malware analysis is defined as the study of features and authorship of malicious software.

Analysis of malware typically requires strong technical skills (reverse engineering of software, for example), an understanding of security context (knowledge of existing tradecraft of malware authors), and a great deal of patience. Malware authors routinely adjust their tradecraft to achieve their objectives, including the addition of features designed to prevent, delay or obfuscate malware analysis.

This PhD would investigate what range of indicators can be relied on for post-infection discovery of malware on a system or between systems.

SCHOLARSHIP DETAILS

The SecEDU scholarship is provided by the School of Computer Science and Engineering, UNSW Sydney under the joint CommBank Security Engineering program.

The top-up research scholarships are \$20,011 p.a indexed annually for three and a half years for a PhD, and two years for a Research Masters. Additionally there are opportunities for further cyber-education scholarships for suitably qualified applicants.

The top-up scholarship is tax free for full time students (applicants should seek their own tax advice).

ELIGIBILITY

A successful candidate must provide a valid unconditional offer of admission to a postgraduate research degree at UNSW

APPLICATION PROCEDURE

Potential applications are welcome to discuss their proposed research with SecEDU academics in advance. Initial point of contact is SecEDU Manager n.rodgers@unsw.edu.au.

Submit Expression of Interest (EOI) to the school containing:

- Evidence of application for admission to a postgraduate research degree at UNSW
- Evidence of application for an RTP award at UNSW
- The research proposal submitted for admission demonstrating interest in the field of cyber security
- Your CV
- Copies of your academic transcripts
- A one page statement outlining which scholarship theme (outlined above) you are seeking to apply for, and why you would be a suitable SecEDU Scholar.

For details about how to apply for UNSW research degrees see [How To Apply](#) and [Key Dates](#) at research.unsw.edu.au/how-apply-enrol-research-degree

CLOSING DATE:

SecEDU scholarship applications are accepted twice yearly:

30 May 2017 or 31 January 2018

Please refer to the [Key Dates](#) page to ensure you meet the relevant scholarship and admission deadlines for your personal circumstances.

Submit your Scholarship EOI by email to:

scholarships@cse.unsw.edu.au