The Program

The Graduate Industry Placement program is coordinated through the University Engagement Branch. It offers a structured workplace experience for graduate students. Students are placed with an industry under a collaborative sponsored agreement for 12 months to undertake and complete a project(s) as directed by the industry supervisor while continuing to study for an appropriate University of Adelaide Masters Degree.

Benefits for Students

- Stipend scholarship payments for project activities of up to $33,000
- Links with a company to gain valuable industry experience
- Enhancement of skills through relevant real-world project
- Development of links with a company

Collaborating Industry Organisation

The Defence Science and Technology Organisation (DSTO) is part of Australia's Department of Defence. DSTO is the Australian Government’s lead agency charged with applying science and technology to protect and defend Australia and its national interests.

Project No and Project Title

*Project Number: GIP C3ID 03 - Modelling and analysis of dynamic relational networks and social media data for applications in cyber security and intelligence analysis*

Project Objective

Social Media may allow us to explore and gauge a novel perspective of various social practices and phenomena. The vast amounts of Social Media data available on the Internet (commonly known as Big Data) have resulted in a surge of research efforts. However, before we are able to make any concrete claims about this data, especially within cyber security and intelligence contexts, we need to understand what it can offer and how to analyse it.

Tasks / Duties Required

This project will entail working as part of a multidisciplinary team to:

1. Represent and analyse time-ordered social media data;
2. Develop and implement algorithms based on algebraic models of time-ordered relations to determine meaningful regularities in social network data;
3. Apply network-oriented approaches to the analysis of social media data aimed at understanding the spread of information and ideas.

Academic Qualifications

The graduate should have completed a Bachelor degree in Mathematics and/or Computer Science or equivalent (by end of 2013).

Applications

- Applications to be submitted no later than 9th August, 2013 to tania.johnson@adelaide.edu.au. Please include project title, resume and academic transcripts. For further information on the project please contact Tania Johnson on 83134467 or by email.

The essential criteria are:

- The graduate needs to be an Australian Citizen and will require an appropriate security clearance.