**2020 Summer Winter Research Project Description**

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| **Project title:** | **Digitalization of Triple P Professional Training** |
| **Positions available:** | **1**  |
| **Project duration and delivery**  | 10 weeks; 20-30 hours a weekProject can be completed under a remote working arrangement |
| **Description:** | This project examinesthe application of data science and machine learning to transform the Triple P professional training into online modality. The Triple P program development team from Parenting and Family Support Center, is working with data scientists at ITEE (School of Information Technology and Electrical Engineering) to co-design an intelligent online platform with leveraging state-of-the-art personalised information to customise the training program for each individual practitioner and transfer the interactive accreditation for practitioners into a semi-automated online process.  |
| **Expected outcomes and deliverables:** | The student will be helping with the search and extract paper for a systematic review but will also have the opportunity be involved in other parts of the projects including building the test data set for the AI system and testing of the AI modules. Skills/knowledge students will develop in assisting this project:* Conducting systematic review
* Manuscript preparation
* Interdisciplinary collaboration
* Machine learning
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| **Suitable for:** | This project is open to applications from year 3-4 students with background in psychology, having an interest in parenting intervention, e-mental health and good statistic skills. Having experience in doing systematic review or having coding skill are bonus but not necessary.  |
| **Primary Supervisor:** | Dr. April Hoang |
| **Further info:** | Any further information, please contact Dr. April Hoang at a.phuong@gmail.com. Applicants are encouraged to contact supervisor prior to applying. |
| **Will you be collaborating with an external organisation on this project (for example NGO, government agency or private industry)?**  | Yes, Triple P International |