SUPERVISOR/S: Albert Bifet and Corey Sterling
PROJECT TITLE: Machine Learning in Android devices
FIELD: Computer Science
DIVISION/SCHOOL: HECS - School of Computing and Mathematical Sciences
PROJECT LOCATION: Hamilton

PROJECT ABSTRACT:
Kotlin, a modern take on a programming language, is now a first-class programming language on Android and is gaining traction. This led to the inception of the machine learning library called "Māia" here at the university. While the base API is already considered stable, the number of actual algorithms (classification, regression, clustering, etc) and preprocessing techniques is still quite low. To remedy this situation, this summer project aims at migrating existing techniques from Weka and MOA to Māia.

STUDENT SKILLS:
• Java programming
• Machine Learning
• Kotlin programming (not mandatory)

PROJECT TASKS:
• Able to code in Kotlin and Java
• Code Supervised ML methods

EXPECTED OUTCOMES:
• Student’s Research Poster (as per clause 6 of the Scholarship regulations)
• Algorithms implemented in the new software frameworks
• Evaluations to show that the new algorithms work correctly