MIE498H1: Research Thesis 2025-2026

Supervisor	Eldan Cohen
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Number of Positions	1
Open to	Industrial Engineering Students
Term Offered	Full-year
Research Area	Information Engineering
Research Topic	Large Language Models (LLMs) in Automated Software Engineering

Project Description

In recent years, the use of deep learning-based approaches, most notably Transformer-based LLMs, has led to significant improvement in the performance of automated software engineering tasks such as code generation, code summarization, code translations, etc. In this project, we aim to evaluate and improve LLMs performance in automated software engineering tasks.

Additional Information	N/A
Application Instructions	Please submit your CV, unofficial transcript, and motivation for the project to Professor Eldan Cohen (eldan.cohen@utoronto.ca)

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