Department of Computer Science

St. Francis Xavier University

Presents

ChatNPC - A Dialogue System Leveraging Advances in Natural
Language Processing

by

Ethan Heavey

St. Francis Xavier University

M.Sc. Thesis Proposal Presentation

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Annex 113

Modern advancements in generative text models are revolutionizing how humans interact with technology and improve productivity. This MSc proposal explores the ideal of a dialogue system enhanced by said generative text models. A background on natural language processing is provided to ensure the terms and ideas are understood. My work on the natural language inference task and how it ties into a dialogue system is also discussed. The current system leverages an external database to provide long-term memory, whereas my proposed research incorporates an automatic contradiction detection system, new information retrieval techniques from an external database, and improving the accessibility of the project through a graphical user interface, website, or Python package.