

- MLM trained to minimize binary cross-entropy loss on discriminator's generated labels
- Adversarial objective: Maximize discriminator's loss while minimizing MLM's loss

## ChatGPT

- Conversational AI system by Microsoft (2019)
- Pre-trained on large corpus of text data using unsupervised learning
- Possesses a vast store of knowledge and skill at reasoning on mathematical problems
- Traces the context accurately in multi-turn dialogues
- Aligns well with human values for safe use
- Supports plugin mechanism to extend capacities with existing tools or apps
- Strongest at: Multi-turn dialogues and aligning with human values for safe use