SESSION 2 - TERMS

Chatbot

Generative

Transformer

Diffusion Models

Vibe Coding

CHATBOT

- A computer program that "chats" with people by text or voice to answer questions or complete tasks.

- You go to your bank's web site and a little window pops up asking, "How can I help you?" That's a chatbot.

CHAT GPT

- **Chat**bot **G**enerative **P**re-Trained **T**ransformer

- Generative refers to new content

- Pre-Trained refers to absorbing data before release

- Transformer refers to a specific type of neural network

GENERATIVE

- AI approach where models learn patterns from existing data.

- Then creates new content like what they learned, such as text, images, or code.

TRANSFORMER

- An AI program that looks at all the words in a sentence at once.

- Then figures out which ones matter most, so it can better respond.

DIFFUSION MODELS

- Process by which an image is slowly and iteratively destroyed by adding noise.
  - Forward Diffusion

- AI learns to reverse the process to create an image by removing noise.
  - Reverse Diffusion

VIBE CODING

- Slang Term for users create applications, websites, or code by prompting AI Models

  - Lowers technical barriers
  - Requires review, debugging