

Presenting...
Prompt Engineering in Emacs

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Repositories for following along

```
github1s.com/mullikine/presentation-prompt-engineering-in-emacs  
github1s.com/semiosis/exemplary  
github1s.com/semiosis/pen.el  
github1s.com/semiosis/prompts  
github1s.com/semiosis/prompt-engineering-patterns
```

Demo

```
1  ssh -oBatchMode=no shane@124.197.60.232 -p 9922
```

Text Generator

Background knowledge

- GPT-3 is a seq2seq model A text generator.
 - It's stochastic but configurable to be deterministic.

Key concepts

- prompt,
- completion, and
- tokens

Limitations

Combined, the text prompt and generated completion must be below 2048 tokens (roughly ~1500 words).

context-stuffing With only 2048 tokens, you need to make use of your real estate by providing instructions and making implicit information explicit.

- declarative
 - Like html
- stochastic
 - Like problog
- Unlocks new types of applications

"Probabilistic and information theoretic methods are used to make results better anyway. Compromises are made anyway. Query reformulation, drift, etc. So it is just a natural progression to use NNs for some of these components? Am I right." – A quote from myself.