#### What is ChatGPT?

OpenAl is a company selling easy access to its deep learning models. These models are massive, requiring around \$100 million dollars of computer time to train. The latest model is estimated to have 1 trillion parameters.

**Advantages**: natural language (no coding!), use in a browser, and it has a massive amount of information about the world.

**Disadvantages**: based on probability, so it can't *calculate* answers. Instead, it knows words that typically go together, and uses those to respond to your prompt.

## Using it to code

With minimal prompts, it can write functional computer code.

# Using ChatGPT to reduce Professor Workload

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Teaching and Learning Commons, Celebrate Event,
May 10, 2023, Poster Session

Why should students have all the fun? This session shows how faculty can be **productive** and **creative**.

#### Test Banks

Rapidly generate multiple-choice test banks from a list of concepts

Which of the following is an example of a preventative control in the context of ARC?

- a. Requiring employees to take annual ethics training
- b. Separating the duties of authorization, recording, and custody
- c. Reviewing reports for anomalies
- d. Instituting disciplinary actions against employees who violate company policies

Answer: b. Separating the duties of authorization, recording, and custody is a preventative control because it is designed to reduce the risk of fraud by ensuring that no single employee has too much control over a transaction.

#### Case Studies / Scenarios

Use prompts to generate examples for concepts.

Example of a penetration test:

A large financial institution hires a cybersecurity firm to conduct a penetration test on their network. During the test, the firm discovers a vulnerability in the institution's firewall that could be exploited by attackers to gain access to sensitive financial information. The institution immediately patches the vulnerability and improves their overall security posture as a result of the penetration test. This demonstrates the importance of regular penetration testing to identify vulnerabilities and improve security measures.

### **Images**

Use DALL-E to generate custom images for your assignments



DALL-E: "very large printing press, surrealist style, science fiction, dr. who"

## Creative writing

What about using poetry to teach about a database's primary / foreign keys?

A primary key, a unique identifier, For each row in a table, it's a must-have, Without it, confusion would be the ruler, For data integrity, it is a lifesaver.

Like a lock that secures a treasure chest, A primary key ensures data is secure, With it, data can be accessed and processed, And reporting and analysis can be pure.

So let us sing the praise of the primary key, For it is the backbone of every database, It helps to keep the data neat and tidy, And ensures that it is always up to date.