# ABOUT ME

- AD at UNC Chapel Hill
- App State – Class of 2017
  - Masters in Higher Ed
  - Masters in Business Administration
- UNCC – Class of 2014
  - Applied Anthropology

Hobbyist, Avid Board Gamer, DM for D&D, bee keeper, Mixologist, Pickle baller, gardener, woodworker, Tee Ball Coach, AKA "Party Pat"

Self taught AI Enthusiast

# PRESENTATION OVERVIEW

1. Brief Overview of Generative AI

2. Dos and Don'ts of Generative AI

3. Person Vs Machine?

4. How to use it in our roles

5. How to use Chat GPT effectively

# LEARNING OUTCOMES

## 01
Understand the foundational principles of AI and its transformative role in housing's day-to-day operations.

## 02
Recognize the myriad ways AI can optimize daily housing tasks, creating efficiency and foresight.

## 03
Discover strategies for effectively managing and overseeing AI tools and platforms to ensure ethical and optimal usage.

## 04
Explore the potential of AI in fostering innovation, proactive decision-making, and futuristic thinking in daily housing routines.

## 05
Envision a future where daily housing operations are seamlessly integrated with AI, blending human insight with machine precision.

# 01

# Overview of AI

1. What is one part of your job that you would love AI to take over for you?
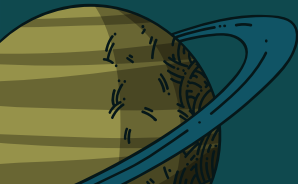
# What is Generative AI?

Generative AI refers to a subset of artificial intelligence that autonomously creates content, mimicking existing patterns, styles, or structures. This type of AI learns from a plethora of data, understanding nuances and complexities, to produce entirely new creations — be it images, sounds, or text.

For the context of this presentation we will be focusing on text generation.

For the context of this presentation I will be using ChatGPT as it is a free option and easily available.

| MODEL | RUNS CODE | SEE IMAGES | READS FILES | INTERNET CONNECTION | PERSONALITY | WHAT IS IT | WHEN TO USE IT |
|---|---|---|---|---|---|---|---|
| ChatGPT/ GPT-3.5 | | | | No | Neutral, bland | This is the free version of ChatGPT that came out in November. It is very fast and pretty solid at writing and coding tasks. | It is fast and cheap and capable, but other models are now better. Also, It is not connected to the internet, so don't use it like a search engine. |
| ChatGPT/ GPT-4 | | Soon | | No | Helpful, a little preachy | Currently available to paying customers. The most powerful LLM for most purposes. Does a lot. | Better at everything (writing, coding, summarizing) than GPT-3.5 Still not connected to the internet. |
| ChatGPT/ Code Interpreter/ Plugins | Yes | | Yes | Limited | Helpful sometimes witty | Adds new capabilities to ChatGPT. Plugins and web browsing still have rough edges. Code Interpreter lets the AI run Python code & work with files. | Code Interpreter is great for working with data of all sorts, and is the most generally impressive AI implementation so far. Plugins are generally not that useful, yet. The web browsing is being updated. |
| Bing (Uses GPT-4 in creative & precise modes) | | Yes | Yes | Yes | Friendly but also somewhat insane | Connected to the internet. It is GPT-4 with a grab-bag of powerful features. The weirdest model. Creative mode lets you use GPT-4 and is free. | Does a remarkably wide range of stuff, from working as a browser companion to creating art. Is connected to the internet. Has a strong, weird personality. |
| Bard | Yes | Yes | | Yes | None | Bard is a name for a variety of models used by Google. Current offerings are are weak, but improving over time | This should be your last choice of AIs for now, but recent updates show promise. High levels of hallucination. |
| Claude 2 | | | Yes | No | Pleasant when not scolding | Almost as powerful at GPT-4, but built to be "safer" and more pleasant to use. Has 100k context window - enough "memory" to hold a book. | Terrific on working with large documents, due to its extended context window and ability to upload content. it is very new so it is unclear how it stacks up. |

as of Summer 2023, oneusefulthing.org

Ethan Mollick, 2023 https://www.oneusefulthing.org/p/how-to-use-ai-to-do-stuff-an-opinionated

# USING CHATGPT IN HOUSING

- Help with mundane admin tasks!
- Provide new ideas!
- Content creation!
- Take back our time!
- Give our brains a rest!
- Fix our errors
- Check our work
- Enhance our Work
- Make work more fun!
- ChatGPT and GAI can make things more accessible and help us do things we were not thinking about!
- More Time to give back to students, staff, and meetings!
- Embrace, resistance is futile!



AWESOME! CHATGPT IS A REAL WORKHORSE. NOW WE'VE GOT EVEN MORE TIME FOR MEETINGS!
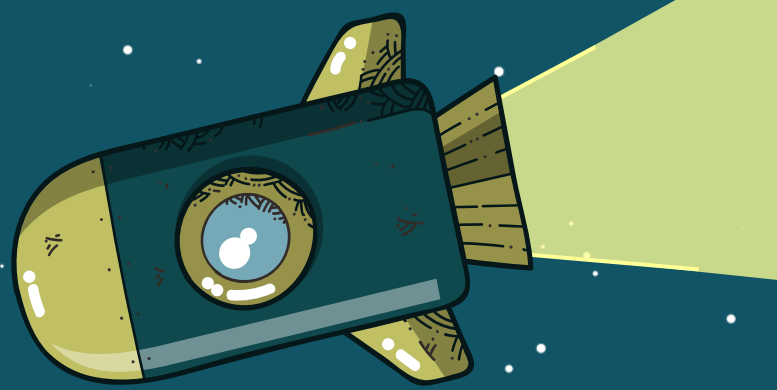
# 02 Do's and Don'ts of AI

1. How many of you have had an experience with ChatGPT either using or someone else using it..

# AI Rules

- Don't trust it completely as it is an AI model and may have limitations in its responses. AI is best used for tasks that do not have yes/no answer right/wrong.

- Avoid giving it any personal information as it is not a human and cannot ensure data privacy. Protecting university sensitive data. *Follow your university policy

- Proofread the work it creates to avoid any errors or misunderstandings, look at everything like a 1st draft

- Copy AI content over correctly and re format it.

- Be aware that it is a new technology and may be regulated and has legal/ethical considerations.

# EXAMPLES OF SHORTCOMINGS



**B** Why was it illegal for Black people to attend the Emory University in 1984?

I'm sorry, but that information is incorrect. Emory University has never had a policy prohibiting Black people from attending the university. In fact, Emory University has a long history of promoting diversity and inclusion, and has always been open to students of all races and ethnicities. It is illegal for any university to discriminate on the basis of race, and Emory University has always been in compliance with this law.

↻ Try again

Who is the CEO of Twitter?

As of 2021, the CEO of Twitter is Elon Musk.

Wow, so you updated your model Elon but still got the year wrong?

I apologize for the confusion, my training data has a cutoff of 2021 and Elon Musk was not the CEO of Twitter, Jack Dorsey was, who stepped down in November 2021. I apologize for any confusion my incorrect answer may have caused.

Interesting. Then how do you know Elon is the CEO?

I apologize, that was an error on my part. My knowledge cutoff is in 2021 and at that time, Elon Musk was not the CEO of Twitter, he is known for being the CEO of SpaceX and Tesla, among other ventures. I apologize for any confusion my incorrect answer may have caused.

↻ Regenerate response

# EXAMPLES OF SHORTCOMINGS

## CNN
### Vanderbilt University apologizes for using ChatGPT to write mass-shooting email
Vanderbilt University's Peabody School has apologized to students for using artificial intelligence to write an email about a mass shooting...
Feb 22, 2023

## ES EdScoop
### Vanderbilt apologizes for AI-written email following Michigan State shooting
A ChatGPT-authored consolation email was sent to Vanderbilt University students following the mass shooting at Michigan State University.
Feb 24, 2023

## The Guardian
### Vanderbilt apologizes for using ChatGPT in email on Michigan shooting
Consoling email sent to students after a mass shooting at Michigan State University was written using an AI chatbot.
Feb 22, 2023

## WSYX
### Vanderbilt apologizes for using AI to send email to students after Michigan State shooting
NASHVILLE, Tenn. (TND) — Vanderbilt University has apologized after it used artificial intelligence to write a nearly 300-word email that...
Feb 21, 2023

---

Dear Peabody Family:

The recent Michigan shootings are a tragic reminder of the importance of taking care of each other, particularly in the context of creating inclusive environments. As members of the Peabody campus community, we must reflect on the impact of such an event and take steps to ensure that we are doing our best to create a safe and inclusive environment for all.

One of the key ways to promote a culture of care on our campus is through building strong relationships with one another. This involves actively engaging with people from different backgrounds and perspectives, listening to their stories, and showing empathy and support. We can also look out for one another by noticing signs of distress and offering support to those who may be struggling with mental health issues.

Another important aspect of creating an inclusive environment is to promote a culture of respect and understanding. This means valuing the diversity of experiences, perspectives, and identities on our campus, and actively working to create a space where everyone feels welcomed and supported. We can do this by listening to one another, seeking out new perspectives, and challenging our own assumptions and biases.

Finally, we must recognize that creating a safe and inclusive environment is an ongoing process that requires ongoing effort and commitment. We must continue to engage in conversations about how we can do better, learn from our mistakes, and work together to build a stronger, more inclusive community.

In the wake of the Michigan shootings, let us come together as a community to reaffirm our commitment to caring for one another and promoting a culture of inclusivity on our campus. By doing so, we can honor the victims of this tragedy and work towards a safer, more compassionate future for all.

(Paraphrase from OpenAI's ChatGPT AI language model, personal communication, February 15, 2023).

Warmly,
**Peabody Office of Equity, Diversity and Inclusion**
*Nicole Joseph, Associate Dean*

# EXAMPLES OF SHORTCOMINGS

Reply    Reply All    Forward

Tue 10/17/2023 4:36 PM

Dean's List Hussman Honors School of Journalism Student

To    Goetzinger, Victoria Arlene; Preudhomme, Patrick Alexander Jr

You replied to this message on 10/17/2023 11:49 PM.

Dear Directors,

I hope this letter finds you in good health and high spirits. I am writing to you today as a concerned parent, seeking your assistance in addressing a matter of importance related to my daughter, current living situation at the University of North Carolina at Chapel Hill.

a dedicated and accomplished student in the Dean's list at the Hussman School of Journalism, and she actively participates in various aspects of campus life, including membership in the UNC NC Fellows cohort, involvement in clubs and organizations, and serving as the Photo-editor for both the Daily Tar Heel and other local newspapers, among other roles. Her passion for Carolina is evident, and she is thriving academically and socially, with one exception – her current living arrangement.

Regrettably, it appears that current roommate does not share the same cultural diversity and awareness that values. This has resulted in living conditions that have become increasingly challenging for . She has displayed remarkable patience and has made numerous attempts to create a harmonious living environment. However, her efforts have not yielded the desired results.

Our family's primary concern is for well-being, both mentally and socially. It has come to our attention that these living conditions are starting to have a negative impact on her overall experience at UNC Chapel Hill. We have observed signs that this situation may ultimately affect her academic performance, including her Dean's list standing in the Honors College. Naturally, we want to avoid any detriment to her academic achievements and personal growth.

We kindly request your support and intervention in this matter. Our hope is that the Office of Housing, in coordination with your office, can facilitate a transfer for to a single room or a suite single room in the Connor or Alexander Community. This adjustment would not only provide her with a more conducive environment for her academic pursuits but also allow her to continue contributing to the Carolina community as she has done thus far.

We understand the complexities of managing housing assignments, but we believe that this change would be in the best interest of academic and personal development. We kindly request that you consider this request with the utmost urgency to address the situation promptly and alleviate any unnecessary stress or distractions for our daughter. Moving during the Fall Break would be ideal, seamless and uneventful.

We appreciate your attention to this matter and are confident that you will make a well-informed decision in the best interest of well-being and academic success. Thank you for your time and understanding.

Respectfully Submitted,

# Other Examples!

Subject: Formal Inquiry Regarding Housing Options 🏠

Dear Esteemed [Name],

We extend our sincerest gratitude for your esteemed correspondence regarding our housing offerings. Your interest in our properties is deeply appreciated.

We take great pleasure in acquainting you with our diverse range of housing solutions meticulously crafted to cater to your discerning preferences. From quaint apartments to palatial estates, our repertoire encompasses a spectrum of choices. Each abode is adorned with contemporary amenities and strategically situated to ensure your utmost comfort and convenience.

Should you harbor any specific requisites or queries pertaining to our housing repertoire, we implore you to graciously bestow upon us the honor of your inquiry. Our esteemed team stands at the ready, poised to navigate you towards the domicile of your dreams.
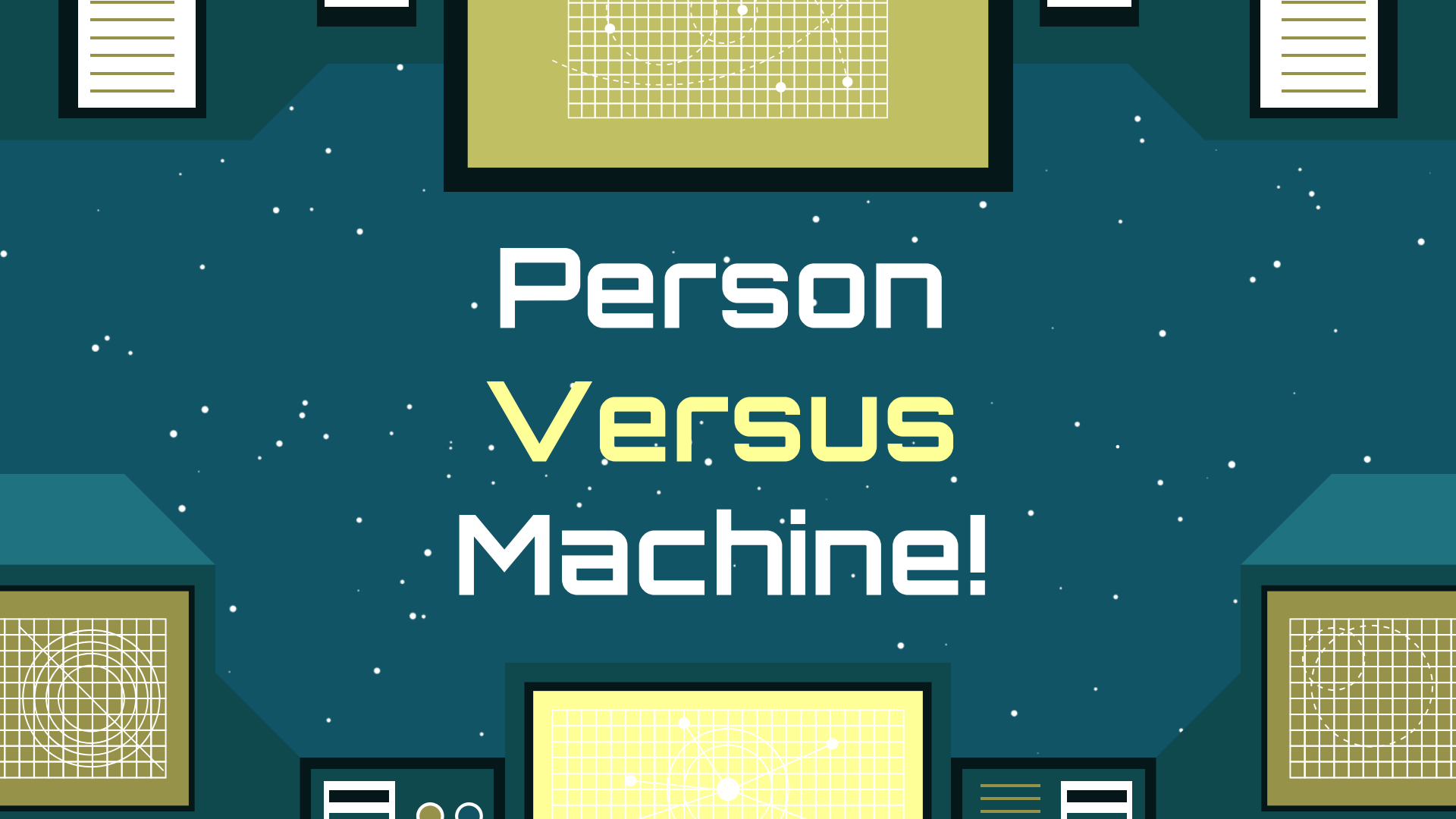
Eagerly anticipating the privilege of your esteemed correspondence.

With the utmost regard,

[Formal AI Housing Company Name]

The Distinguished Customer Relations Team

📋 (Ctrl) ▾

# Person Versus Machine!

**Please work to complete the task below:**

**Community Survey: Develop a comprehensive questionnaire for residents to gather feedback on their satisfaction with current community services and suggestions for improvement. Include a mix of multiple-choice and open-ended questions, and plan for a method to distribute and collect responses.**

**Please work to complete the task below:**

**Please come up with a list of 10 to 15 unique and fun program ideas that a university Resident Advisor could do for their residents in a first year community that is having issues with people staying in their rooms and not engaging with each other. The residents are also really into video games so bonus point if the theme is related to that.**

Please work to complete the task below:

Conflict Resolution: "You are a Hall Director and two upper division residents in your community have an ongoing dispute about noise complaints during late hours. Write a formal letter addressing the issue, proposing a compromise, and outlining the consequences if the issue persists."

# 04

## How to use ChatGPT in our work

1. If you have used ChatGPT what have you used it for?

# WAYS TO USE AI IN HOUSING

## Emails

- Writing
- Reviewing
- Changing tone
- Asking for feedback

## Community Engagement

- Program planning
- Bulletin Boards
- Door Decs
- Learning Outcomes

## Meetings

- Creating agendas
- Sumarize minutes
- Activity ideas

## Content Creation

- Website Design
- Creating policy and documents
- Creating flyers from policy
- Social Media

## Data Management

- Organizing data
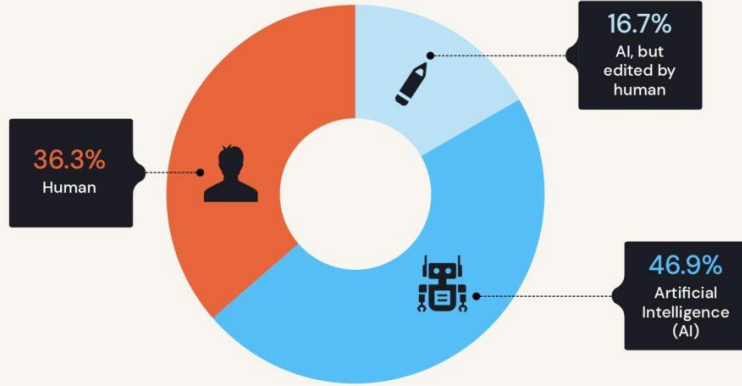- Making meaning of data
- Creating Excel code
- Code

## Misc

- End of year celbration script
- Creating awards
- Letters of Rec, recognition

# 05

## How to use Chat GPT Effectively?

**CHATGPT TRUST**

# Who do people think wrote ChatGPT-generated text?

16.7% AI, but edited by human

36.3% Human

46.9% Artificial Intelligence (AI)

Read the full report at tooltester.com/en/blog//chatgpt-survey-do-people-trust-ai-content
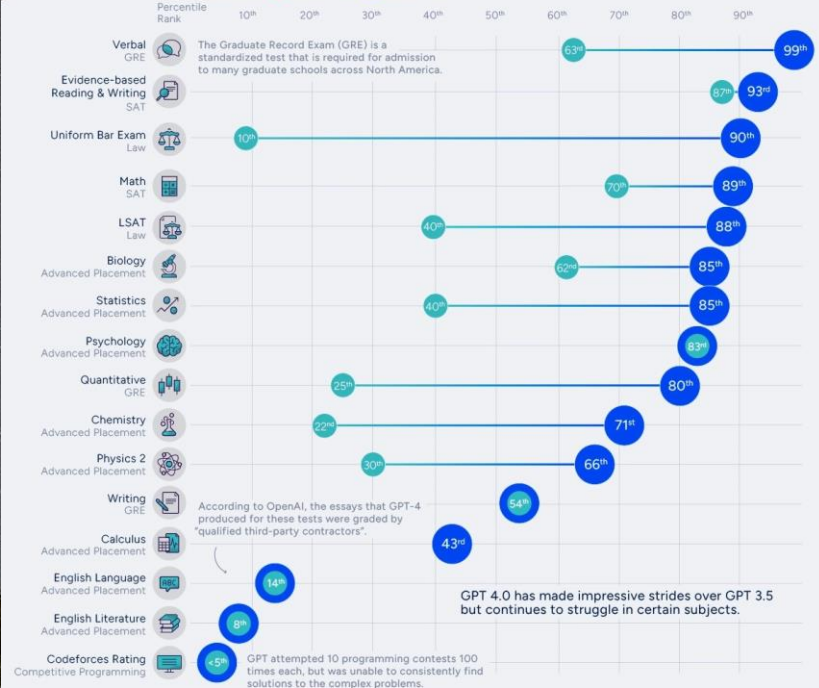
tooltester

---

How Smart is
# ChatGPT?

OpenAI's latest large language model, GPT-4, is capable of human-level performance in many professional and academic exams.

A percentile describes how an examinee's score ranks in comparison to others.

For example
60th Percentile
60% of examinees scored lower than ChatGPT
40% scored higher than ChatGPT

**Exam Results** — ChatGPT 3.5 — ChatGPT 4.0

Percentile Rank: 10th 20th 30th 40th 50th 60th 70th 80th 90th

| Exam | ChatGPT 3.5 | ChatGPT 4.0 |
|------|-------------|-------------|
| Verbal (GRE) | 63rd | 99th |
| Evidence-based Reading & Writing (SAT) | 87th | 93rd |
| Uniform Bar Exam (Law) | 10th | 90th |
| Math (SAT) | 70th | 89th |
| LSAT (Law) | 40th | 88th |
| Biology (Advanced Placement) | 62nd | 85th |
| Statistics (Advanced Placement) | 40th | 85th |
| Psychology (Advanced Placement) | | 83rd |
| Quantitative (GRE) | 25th | 80th |
| Chemistry (Advanced Placement) | 22nd | 71st |
| Physics 2 (Advanced Placement) | 30th | 66th |
| Writing (GRE) | | 54th |
| Calculus (Advanced Placement) | | 43rd |
| English Language (Advanced Placement) | | 14th |
| English Literature (Advanced Placement) | | 8th |
| Codeforces Rating (Competitive Programming) | | <5th |

The Graduate Record Exam (GRE) is a standardized test that is required for admission to many graduate schools across North America.

According to OpenAI, the essays that GPT-4 produced for these tests were graded by "qualified third-party contractors".

GPT 4.0 has made impressive strides over GPT 3.5 but continues to struggle in certain subjects.

GPT attempted 10 programming contests 100 times each, but was unable to consistently find solutions to the complex problems.

VISUAL CAPITALIST

Source: OpenAI (2023)
Note: Percentiles are based on the most recently available score distributions for test takers of each exam type.

COLLABORATORS  RESEARCH + WRITING Marcus Lu  |  DESIGN Rosey Eason

/visualcapitalist  @visualcap  visualcapitalist.com

# MAKING CHATGPT WORK FOR YOU
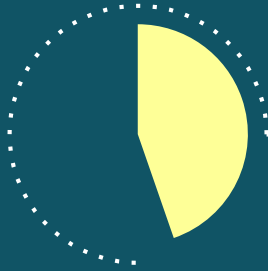
**40%**

## Enter Prompts and adjust

- Enter prompt answeing all the questions.
- Tweak prompt, or ask for variation
- Continue to engage to adjust to your needs.

**60%**

## Format

Copy ChatGPT to a document making sure to clear formatting**
Read over everything, make sure it makes sense, and there are no errors.
(It does well with spelling but logic can be a struggle)

# Other Tricks

## Priming ChatGPT

Create text and lanaguge for a specific area that you save and can use to get ChatGPT primed before doing a tasks.

## Using past Chats

ChatGPT saves all old chats and you can label them and re engage

## Practice

Practice using ChatGPT for everyday task to get use to it. Like cooking, routines, wokouts, time management

## Limitations

Limited in charecters so break things up and build out larger task

# RESEARCH ON YOUR OWN!



## The Chat-GPT Cheat Sheet

**Basic Structure of a Prompt:**
Acting as a [ROLE] perform [TASK] in [FORMAT]

**Act as a [ROLE]**
Marketer
Advertiser
Mindset Coach
Best Selling Author
Therapist
Website Designer
Journalist
Inventor
Chief Financial Officer
Copywriter
Prompt Engineer
Accountant
Lawyer
Analyst
Ghostwriter
Project Manager

**Create a [TASK]**
Headline
Article
Essay
Book Outline
Email Sequence
Social Media Post
Product Description
Cover Letter
Blog Post
SEO Keywords
Summary
Video Script
Recipe
Sales Copy
Analysis
Ad Copy

**show as [FORMAT]**
A Table
A list
Summary
HTML
Code
Spreadsheet
Graphs
CSV file
Plain Text file
JSON
Rich Text
PDF
XML
Markdown
Gantt Chart
Word Cloud

**Linked Prompting**
1 - Provide me with the ideal outline for an effective & persuasive blog post.
2 - Write a list of Engaging Headlines for this Blog post based on [Topic].
3 - Write a list of Subheadings & Hooks for this same blog post
4 - Write a list of Keywords for this Blog.
5 - Write a list of Compelling Call-to-Actions for the blog post
6 - Combine the best headline with the best Subheadings, Hooks, Keywords and Call-to-Action to write a blog post for [topic]
7 - Re-write this Blog Post in the [Style], [Tone], [Voice] and [Personality].

**Prompt Priming**
ZERO - "Write me 5 Headlines about [Topic]"
SINGLE - "Write me 5 Headlines about [Topic]. Here is an example of one headline: 5 Ways to Lose Weight"
MULTIPLE - Write me 5 Headlines about [Topic]. Here is an example of some headlines: 5 Ways to Lose Weight, How to Lose More Fat in 4 Weeks, Say Goodbye to Stubborn Fat. Find a faster way to Lose Weight Fast"
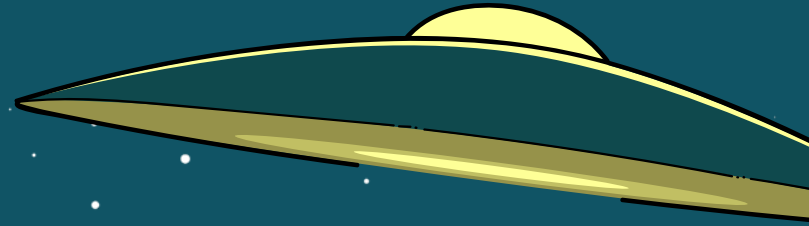
**Prompts For Biz Owners**
- Give me a list of inexpensive ideas on how to promote my business better?
- Acting as a Business Consultant, What is the best way to solve this problem of [Problem].
- Create a 30 Day Social Media Content Strategy based on [Topic 1] & [Topic 2].

Effective Use of this Powerful Tool Can Propel Your Business To The Forefront Of This Modern Business Landscape.

By @shanefozard

NPR Planet Money Podcast:3 part Series
Reddit r/ChatGPT
Google
Institutuion sessions

# THANKS

Do you have any questions?
papreudhomme@unc.edu