

AI in Social Services: Enhancing Organizational Efficiency

Presented by:

GAITHER STEPHENS



NHSDC
MOVING UPSTREAM
SPRING 2024 CONFERENCE

NHSDC SPRING 2024 | APRIL 10-12 | KANSAS CITY

GAITHER DYNAMIC
CEO

**CHARLOTTE COUNTY
HOMELESS COALITION**
Board Member

COC ALLIANCE
Founder



HELLO!

I am **Gaither Stephens**

You can find me at
Gaither.Stephens@GaitherDyn.com



AGENDA



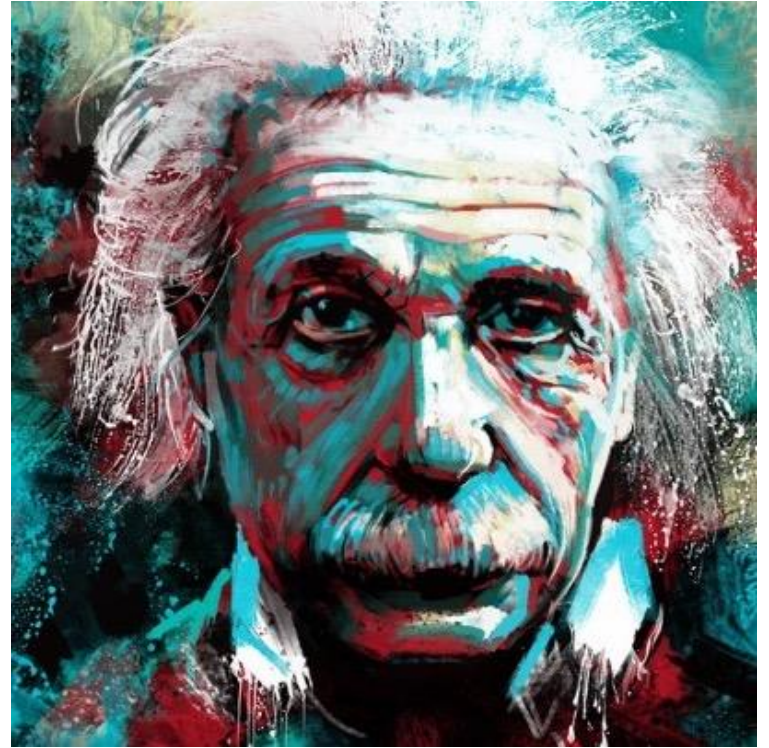
THE EARLY BUILD: GAITHER'S JOURNEY FROM CODE TO COMPASSION

Background, Education, & Experience



**“ONCE WE ACCEPT OUR
LIMITS, WE GO BEYOND
THEM.”**

-Albert Einstein



KNOW THYSELF AND THY DIFFICULTIES: AUTISM & ADHD

Autism

- Difficulty with social interactions
- Sensory processing issues
- Difficulty with verbal and non-verbal communication
- Rigid routines and resistance to change
- Repetitive behaviors or interests

ADHD

- Difficulty maintaining attention
- Impulsive behavior
- Hyperactivity and restlessness
- Disorganization and time management problems
- Challenges in following instructions and completing tasks



EDUCATION



Associate of Science DEGREE

- Computer Science & Information Systems
- Dean's List (multiple semesters)
- 3.28 GPA



Bachelor of Science DEGREE

- Business Administration
- Magna Cum Laude
- 3.83 GPA



Master of Science DEGREE

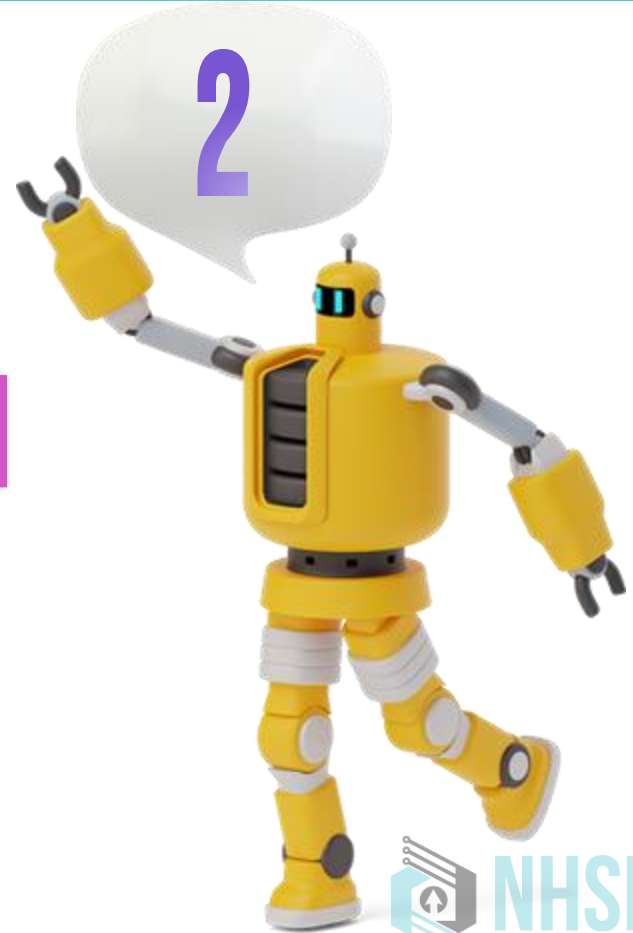
- Computer Information Systems
- Concentrations in Database Management & Business Intelligence
- 3.57 GPA



INSPIRATION
1050 WGRI
STUDIOS
CINCINNATI,
OHIO

STRETCHED TO THE LIMIT: THE STRAIN ON SOCIAL SERVICES

Adversity, Advocacy, & Advancement





SEASON'S GREETINGS FROM OUR
FAMILY TO YOURS 

ME 

2016 STAFF CHRISTMAS PHOTO
CHARLOTTE COUNTY HOMELESS COALITION

CHALLENGES FACED IN SOCIAL SERVICES

Multiple Hats

CTO, Marketing Director, IT, Training, Support, PIT, HIC, SysPM, LSA, Veteran & Chronic Committee Meetings Leader, etc.

Incorrect Setup

Every project was set up as the top project meaning there was no hierarchy in our system, just a large forest with individual trees.

Outdated System

Exchange 2007 server that only allowed email use within the physical building and the server hard drive was constantly getting full.

Data Quality

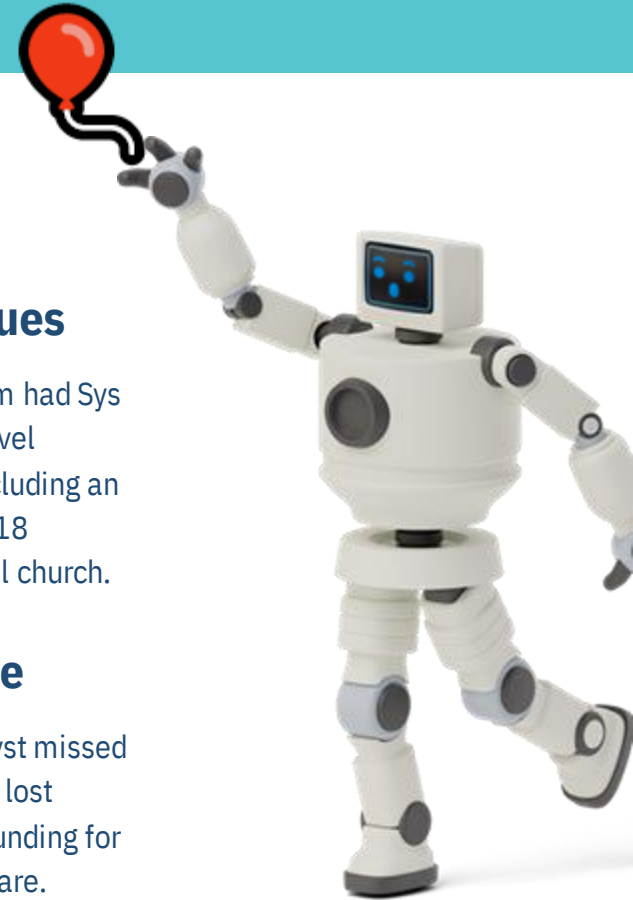
The system had false data, poor data, and missing data. Data quality was an 'F' across the board making reports completely unreliable.

Security Issues

Every user in system had Sys Admin II highest level security access, including an account shared by 18 volunteers at a local church.

Lost Revenue

Previous data analyst missed NOFA deadline and lost \$200,000 in HUD funding for the Continuum of Care.



THE PERSISTENT PROBLEM OF HOMELESSNESS IN THE UNITED STATES

As of 2020, there were ~350 organizations competing for an insufficient amount of federal dollars to end homelessness for over 580,000 people across the United States.



*Picture generated with AI



~\$20 BILLION

Cost to end homelessness

~\$4 BILLION

Amount dedicated in 2023

~\$16 BILLION

Annual deficit



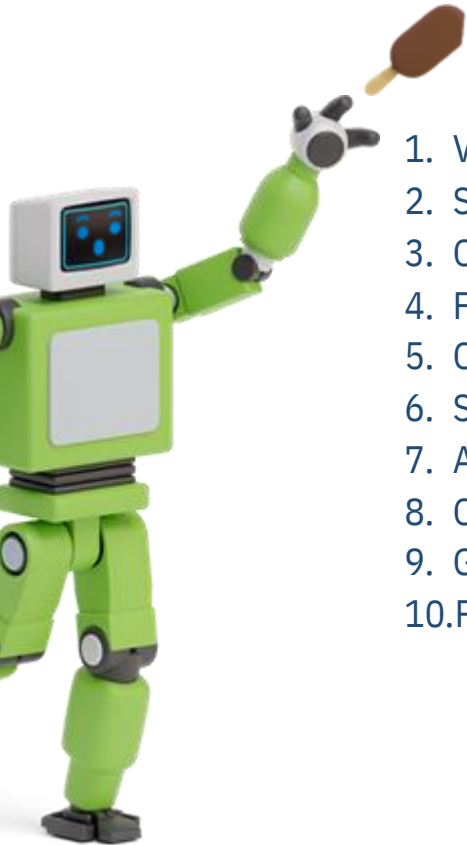


\$773 BILLION

United States Fiscal Year 2023 Military Budget



WHAT WE SPEND MONEY ON INSTEAD OF HOMELESSNESS



1. Video Games
2. Streaming Services
3. Cosmetics
4. Fashion Retail
5. Candy & Chocolate
6. Soft Drinks
7. Alcohol Beverages
8. Coffee Shops
9. Gym Memberships
10. Pet Products
11. Luxury Goods
12. Mobile Apps
13. E-sports
14. Cruises
15. Them Parks
16. Movie Theaters
17. Jewelry
18. Toys & Games
19. Sports Betting
20. Art Market
21. Subscription Boxes
22. Sneakers & Shoes
23. Bottles Water
24. Vaping & E-cigarettes
25. Fantasy Sports
26. Gourmet & Specialty Foods
27. Board Games & Puzzles
28. Craft Beer
29. Wedding Industry
30. Outdoor Equipment

CONSEQUENCES OF RESOURCE SCARCITY

Unequal Service Allocation

Scarce resources often lead to inequitable distribution of services, hitting vulnerable populations the hardest.

Staff Burnout

Overburdened staff with limited resources often suffer from burnout, resulting in decreased productivity and higher turnover.

Compromised Care Quality

When resources are scarce, the quality of care deteriorates, making social interventions less effective.

Operational Waste

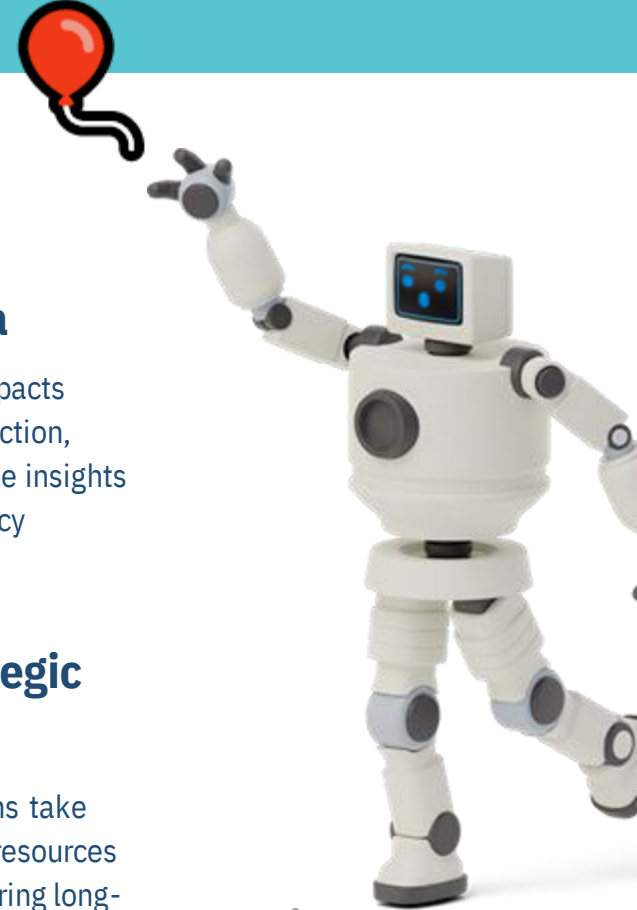
Inadequate monitoring tools can lead to inefficient resource use, exacerbating existing scarcities.

Flawed Data

Limited funding impacts accurate data collection, leading to unreliable insights and misguided policy decisions.

Stifled Strategic Planning

Immediate concerns take precedence when resources are limited, hampering long-term planning and adaptability.



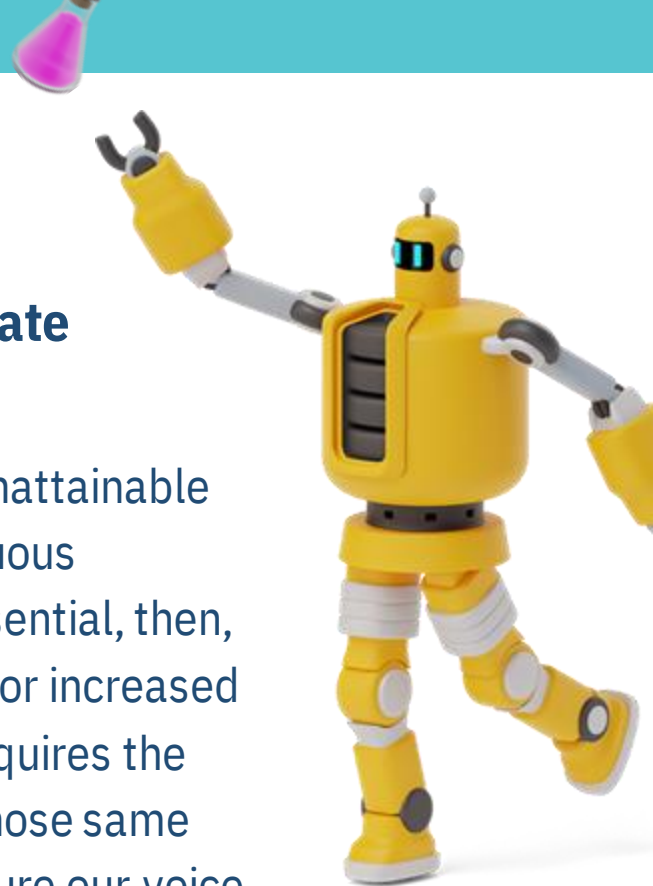
TWO-PRONGED STRATEGIC PLANNING

Maximizing Efficiency

In a landscape where resources are scarce, it is incumbent upon us to be exceptional stewards of what we possess. Our mandate is to optimize and extend our resources, ensuring they reach their fullest potential in alignment with our objectives.

Championing Adequate Resources

Sustainable growth is unattainable in the shadow of continuous scarcity. It becomes essential, then, to champion the cause for increased resources. This often requires the strategic allocation of those same scarce resources to ensure our voice for change is heard and heeded.



THE AI JOURNEY: FROM TURING TO TODAY

Discovery, Development, & Deployment



1950: Turing Test Conceived – Alan Turing proposes the idea of a machine's ability to exhibit intelligent behavior.



1997: Deep Blue's Victory – IBM's Deep Blue defeats world chess champion Garry Kasparov.



2018: BERT – Release of Google's BERT, enhancing language understanding in LLMs with better context processing.



AI ROADMAP



1956: Dartmouth Conference – The term 'Artificial Intelligence' is formally introduced and defined.

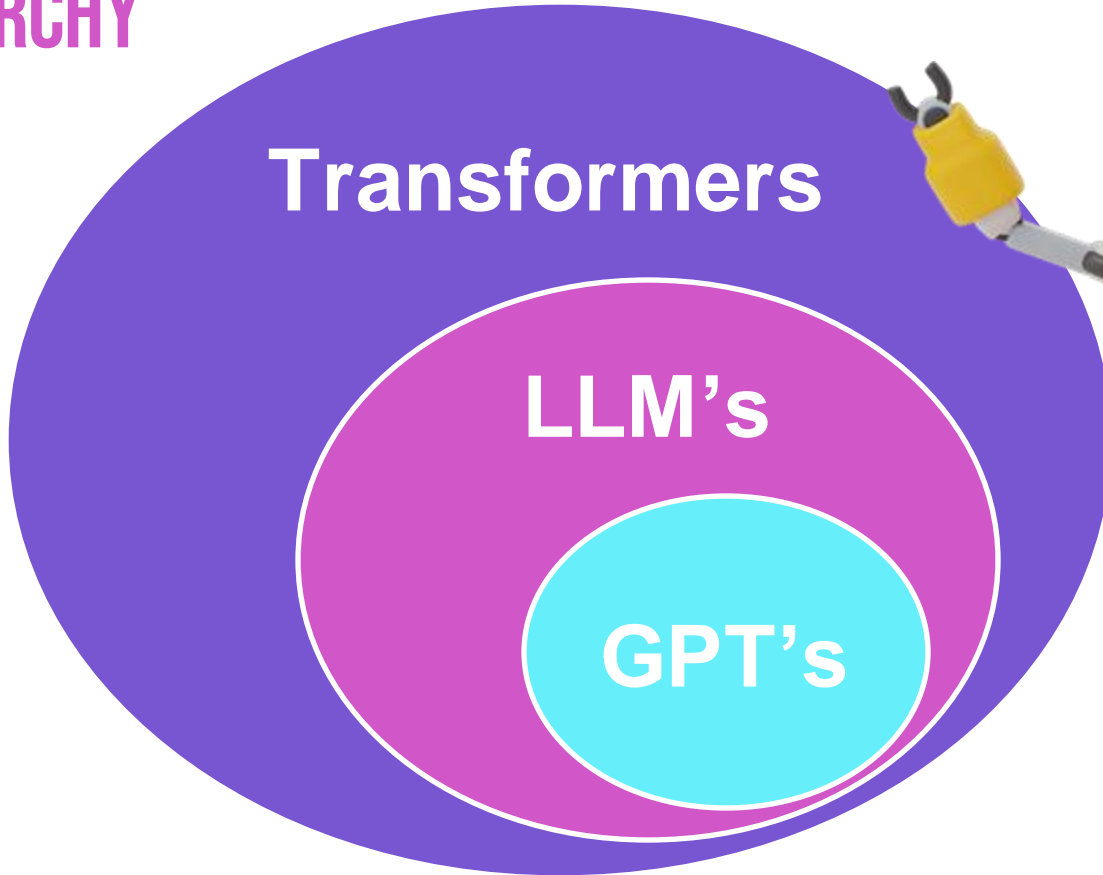


2015: Transformer Models – This new development allows LLMs to understand the context within text by focusing on relevant parts of a sentence during processing.



2022: ChatGPT by OpenAI – OpenAI launched ChatGPT, demonstrating advanced conversational abilities in AI.

AI HIERARCHY



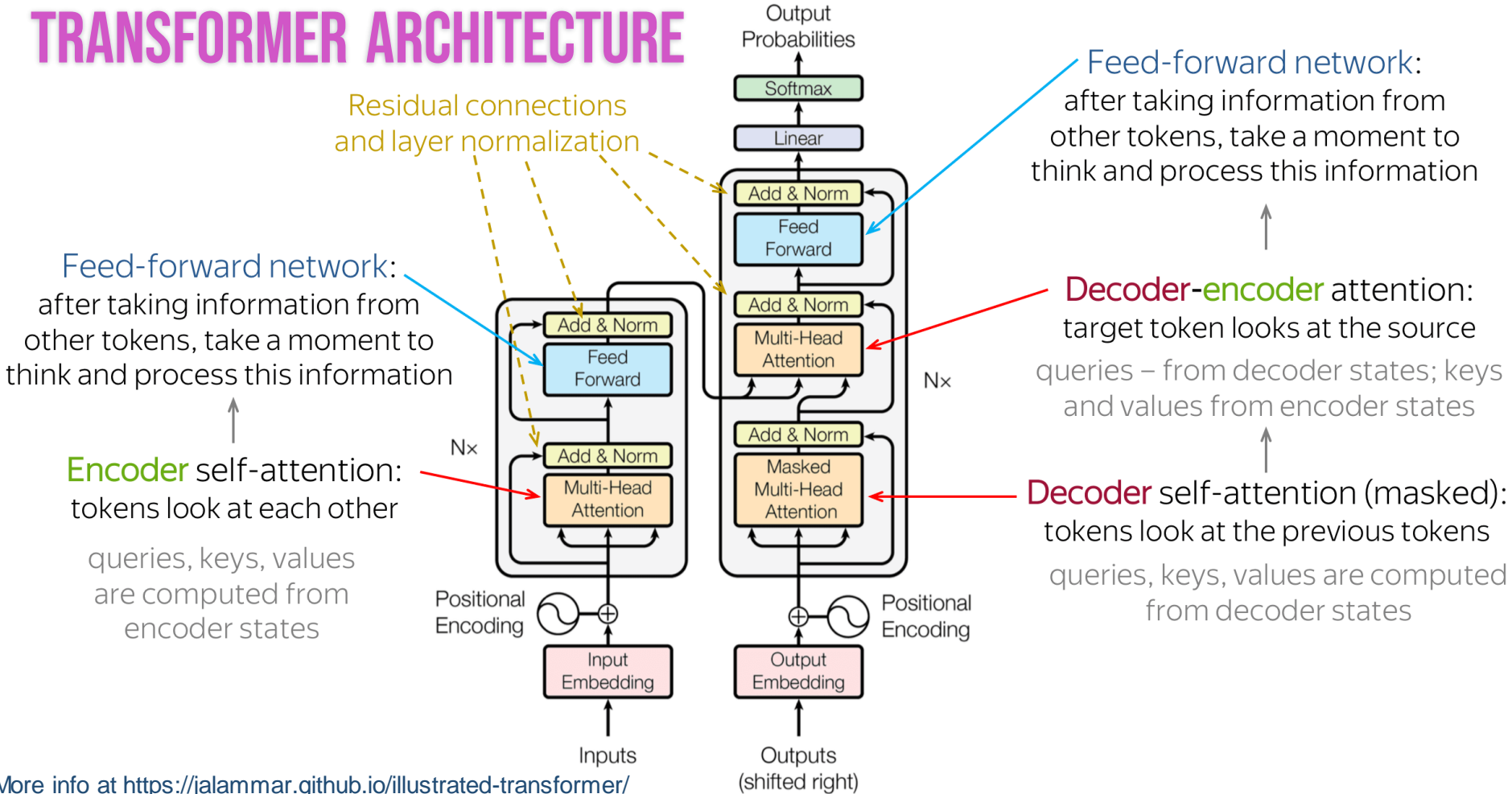
LINGUISTIC TRANSFORMERS: ROLLING OUT REVOLUTIONARY TECH

Transformers are a type of AI architecture designed to understand and generate human language by processing words in relation to all other words in a sentence, enabling more nuanced text interpretation and creation.



Picture generated with AI

TRANSFORMER ARCHITECTURE



AI UNVEILED: SIX TRANSFORMATIVE TECHNOLOGIES

Large Language Models (LLMs)

Generate and understand human-like text, powering tools like ChatGPT .

Computer Vision

Allow machines to interpret visual information from the world, akin to human sight.

Machine Learning Platforms

Offer tools for building and deploying adaptive algorithms across various applications.

Natural Language Processing (NLP)

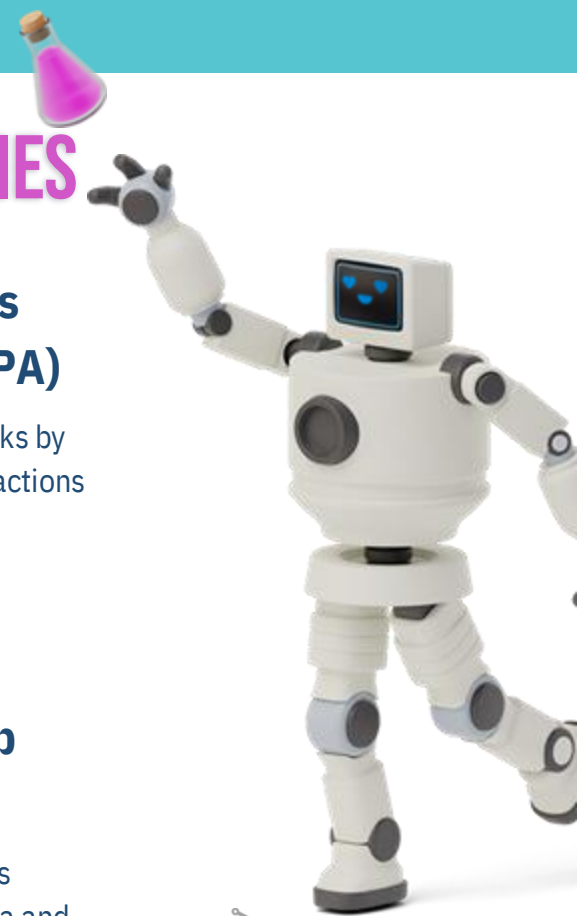
Enable understanding and generation of human language for effective communication.

Robotic Process Automation (RPA)

Automate repetitive tasks by simulating human interactions with digital systems.

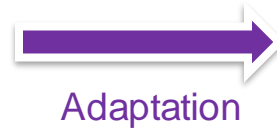
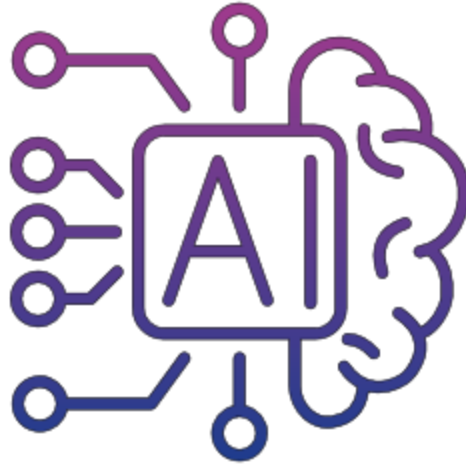
Neural Networks/Deep Learning

Mimic the human brain's structure to analyze data and recognize complex patterns.





Large Language Model (LLM)



Information extraction



Instruction following



Object recognition



Image captioning



Q&A



Sentiment analysis

LLMS: PIONEERS OF NEXT-GEN COMMUNICATION & UNDERSTANDING

GPT-4

OpenAI's latest marvel, offering human-like text generation with nuanced understanding and broader knowledge.

RoBERTa

Facebook's enhanced BERT variant, achieving state-of-the-art results in language understanding with refined training techniques.

BERT

Google's continually evolving model, adept at deciphering the intent behind words for better search and interaction.

XLNet

Advanced permutation-based learning, enabling deeper contextual comprehension over a wide range of language tasks.

T5

Google's comprehensive text-to-text framework, turning language tasks into a uniform approach for superior performance.

ERNIE

Baidu's semantic powerhouse, fusing language with knowledge graphs for richer, more accurate language models.



AI IS WEAVING INVISIBLE THREADS THROUGH EVERYDAY LIFE

AI shapes our daily digital experiences, from morning greetings by voice assistants to personalized recommendations.



Picture generated AI

THE AI ASSISTANT: A REVOLUTION IN RESOURCE MANAGEMENT

Efficiency, Improvement, & Replicability



Creating Solutions with AI



You

Based on information found at www.CoCAlliance.org, create a simple and short mission statement for me please.



GARP

The mission statement for your organization, inspired by the information from the CoC Alliance website, could be as follows:

"To unite Continuum of Care and Homeless Management Information System professionals across the United States in a collaborative effort to prevent and end homelessness, by facilitating the exchange of support, insights, and resources within our community."

For more details, please visit CoC Alliance.



AI can make mistakes. Consider checking important information.



AI CHATBOT VS. DUMB CHATBOT



Adaptability

AI chatbots learn and evolve; regular chatbots follow fixed programs.

Efficiency

AI chatbots manage complex tasks; regular chatbots handle simpler tasks.

Understanding

AI chatbots grasp language and context; regular chatbots need specific commands.

Intelligence


AI chatbots analyze and predict; regular chatbots do not.

Personalization

AI chatbots remember and personalize; regular chatbots start anew each time.

Independence

AI chatbots self-improve; regular chatbots require manual updates.

A composite image featuring a robotic hand on the left holding a red flower, and a woman's profile on the right. A dark blue semi-transparent box is overlaid in the center, containing a quote in white text.

**“OUR INTELLIGENCE IS WHAT
MAKES US HUMAN, AND AI IS AN
EXTENSION OF THAT QUALITY.”
-YANN LECUN**

EMPOWERING SOCIAL IMPACT: AI IN ACTION



Internal Documentation

Quickly create and update key organizational documents for clear internal and external communication.

Educational Resources

Develop tailored training materials for staff and community education.

Marketing and Outreach

Generate engaging digital content to boost awareness and community engagement with ease.

Client Support

Deploy AI for instant responses to common queries, enhancing service accessibility.

Grant Writing

Streamline proposal creation to secure essential funding more efficiently.

Advocacy Efforts

Craft impactful policy briefs and advocacy materials with AI-assisted research and writing.

AI IMPACT: TRANSFORMING DATA MANAGEMENT & SERVICES



Automated Data Quality Checks

Ensure data integrity with automated assessments, reducing manual errors and streamlining compliance.

Real-time Query Resolution

Provide instant answers to frequent queries, boosting administrative efficiency and user satisfaction.

Dynamic Reporting

Effortlessly generate detailed reports from complex data sets, enhancing decision-making and transparency.

Training & Educational Content Creation

Craft engaging, easy-to-understand training materials to elevate user competency and system utilization.

Custom Coding Solutions

Quickly develop and deploy code for bespoke software enhancements, improving system functionality and user experience.

Predictive Analysis for Resource Planning

Utilize advanced analytics to forecast trends, aiding in proactive resource allocation and service planning.

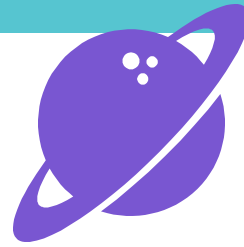
THE AI ADVOCATE: AI CHATBOTS' PRACTICAL IMPACT ON SOCIAL MISSIONS

Empathy, Innovation, and Efficiency



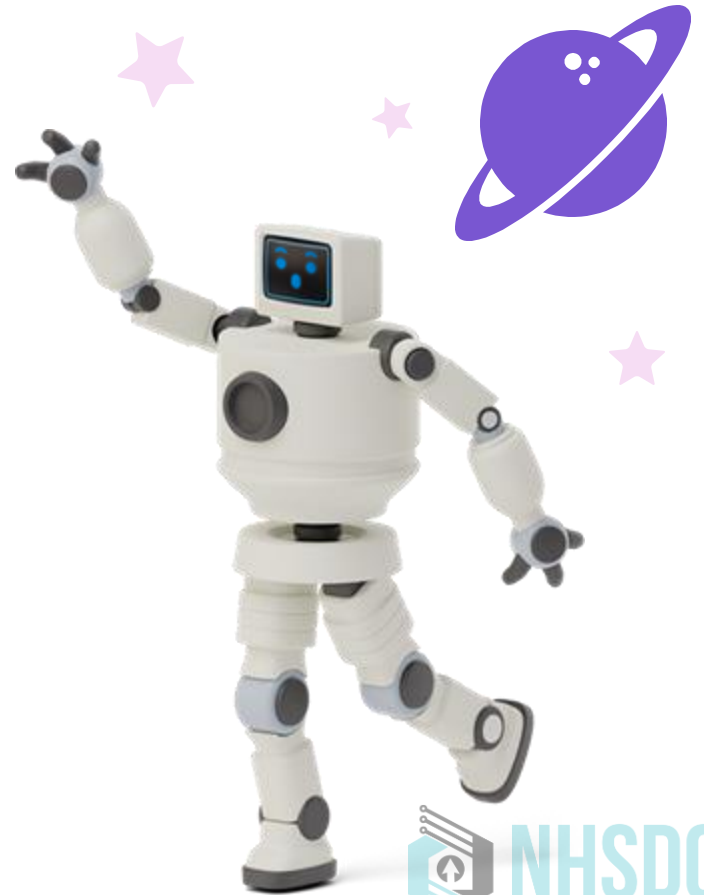
GARP

Gaither's
Assistant &
Robotic
Person



PROMPT ENGINEERING

How to guide AI models towards
producing specific, desired
outputs efficiently



PROMPT ENGINEERING: BASIC COMPONENTS



Roleplay

Assigning a specific perspective or identity to the AI to shape its responses, like pretending it's an expert in a certain field.

Provide Example

Including examples in your prompt to guide the AI's output, showing rather than just telling what you're looking for.

Add Context

Providing background information to help the AI understand the situation or topic better, ensuring more relevant responses.

Current Output

Referring to the AI's previous responses as a foundation for further questions or refinement, creating a more coherent interaction.

Task or Question

Clearly stating what you need from the AI, whether it's solving a problem or answering a question.

Output Format

Defining how you want the AI's response to be structured, whether as a list, a detailed explanation, or a brief summary, to meet your specific needs.

Prompt Engineering: The Anatomy of a Prompt

Imagine you're the marketing director for a local homeless coalition.

Role

We are currently looking for volunteers to help work in our local cafe where we serve breakfast, lunch, and dinner to people experiencing homelessness locally.

Context

Write me a short social media post to help me get volunteers.

Task

Look online for examples similar to what I want.

Example

Add emoticons and make it family friendly and compassionate.

Output



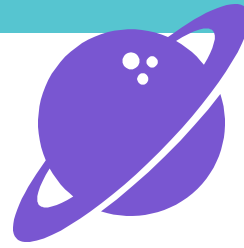
AI OUTPUT

🌟 Calling all big hearts! 🌟 Our community cafe is more than just a meal service; it's a beacon of hope for those facing homelessness. We're in urgent need of compassionate volunteers for breakfast, lunch, and dinner shifts. ❤️ Your time can turn a day around for someone in need. Join us in making a difference, one meal at a time. 🍴🌟 Family-friendly and filled with gratitude, every helping hand brings us closer to a world where no one goes hungry. Interested? DM us today! #VolunteerWithUs #CommunityCafe #MakeADifference



EXAMPLE #1

How to use AI chatbots to create mission, vision, and value statements, marketing materials, and more!



PROMPT SHORTCUT: GET AI TO DO THE HEAVY LIFTING



Purpose & Impact

Define the organization's central purpose and the impact it seeks to make.

Goals & Aspirations

Specify both short-term objectives and long-term aspirations of the organization.

Community & Outreach

Describe the community served and the approach to outreach and service.

Differentiators

Identify what sets the organization apart from others, such as unique methodologies or services.

Values & Principles

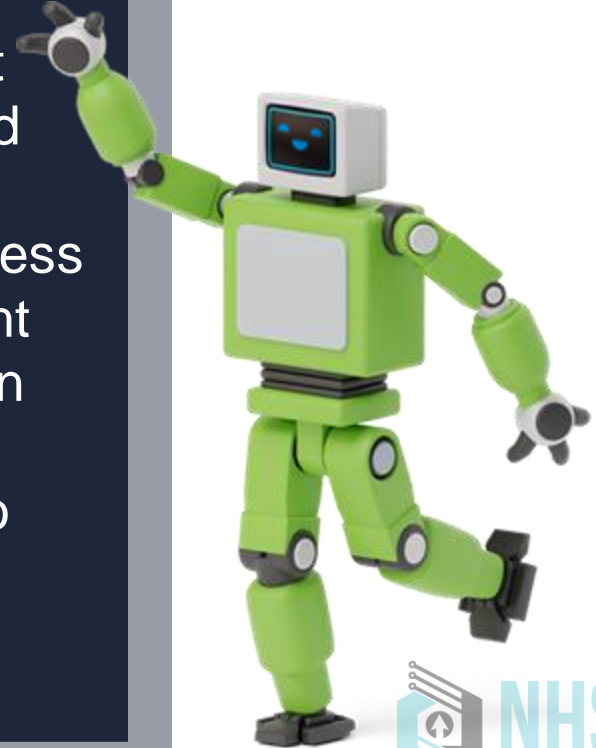
Outline the core ethical considerations and principles that guide the organization's decisions and actions.

Cultural & Ethical Stance

Express the organization's stance on important cultural, social, and ethical issues.

AI Chatbot Pro-Tip: Self-Generated Prompts

Give me a prompt to use with an AI chatbot that covers role, context, task, example, and output format. Pretend you are a marketing professional at the Charlotte County Homeless Coalition. Create a prompt that person might use to develop a mission statement, a vision statement, and value statements. Visit CCHomelessCoalition.org for information to use.



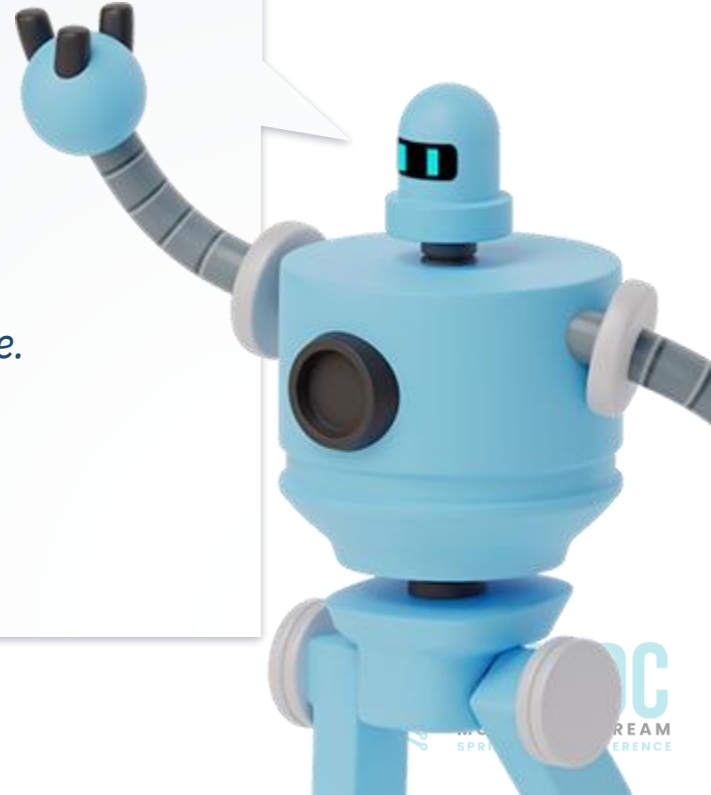
AI GENERATED PROMPT TO CREATE ORGANIZATIONAL STATEMENTS

Using the detailed information about our organization's efforts and impact available on CCHomelessCoalition.org, craft a mission statement that encapsulates our role in providing support and creating systematic change for the homeless population in Charlotte County. The mission statement should reflect our hands-on approach and dedication to advocacy. Furthermore, develop a forward-looking vision statement that articulates our commitment to a future where homelessness is not only alleviated but also prevented. Lastly, compose a series of value statements that convey our core principles, including compassion, collaboration, respect, and innovation. Each statement should be presented in a bullet-point format, precise and inspiring, to guide our internal decision-making and communicate our ethos to the community and stakeholders.



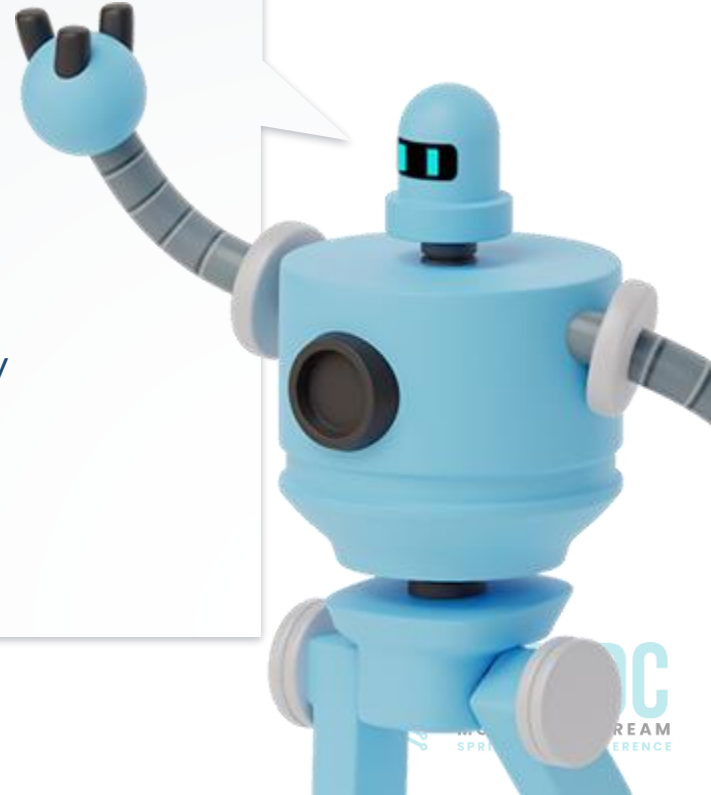
Mission Statement

"The Charlotte County Homeless Coalition is dedicated to the eradication of hunger and homelessness in our community through a proactive blend of direct aid and systemic change. We offer emergency shelter, food, and support services to those in need, while also enabling stability through utilities, rent, and employment assistance. We stand committed to guiding our clients towards self-sufficiency and permanent housing, ensuring that no one has to face the perils of homelessness alone."



Vision Statement

"Our vision is a future where homelessness and hunger in Charlotte County are not just addressed but prevented. We strive for a community where every individual has access to stable housing, adequate nutrition, and the opportunity for economic independence. We believe in a tomorrow where our interventions and preventative strategies create a sustainable foundation for long-term community resilience."



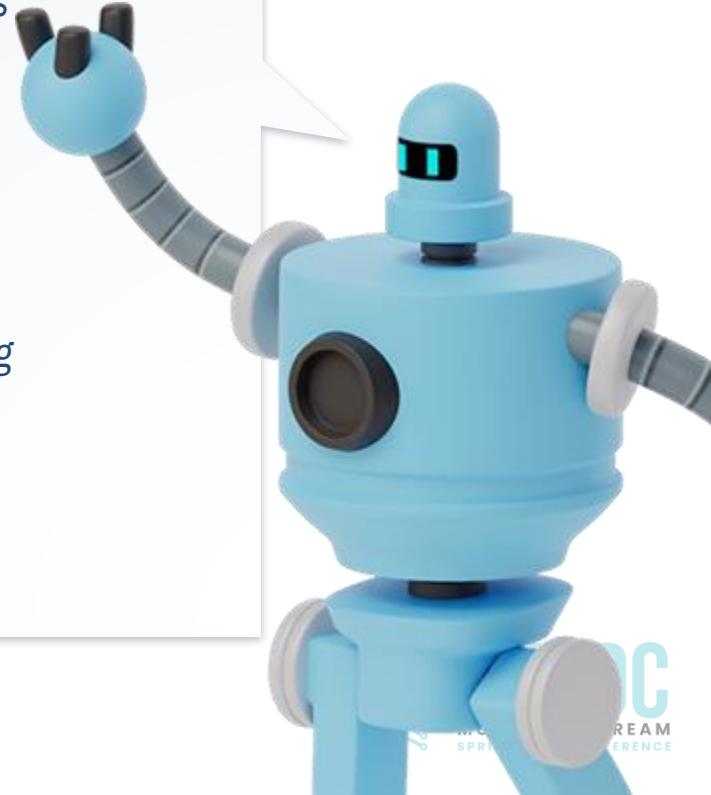
Value Statements

Compassion: We approach our work with empathy, always recognizing the inherent dignity of every individual we serve.

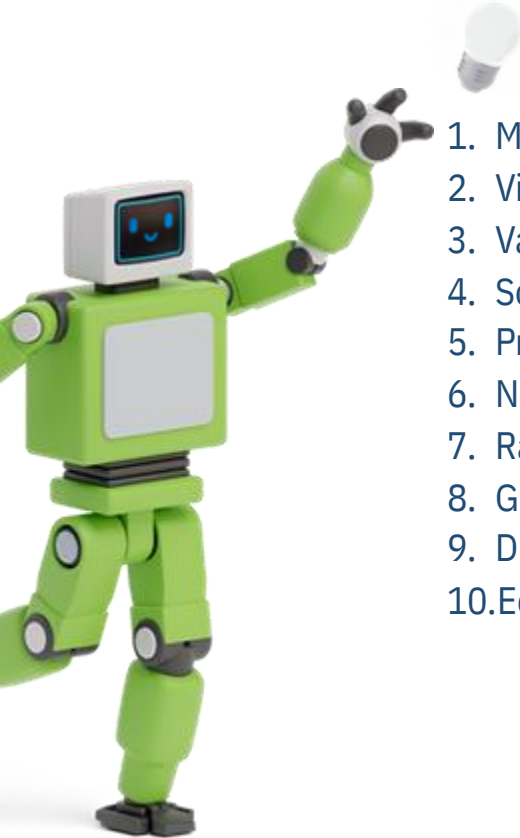
Collaboration: We believe in the power of unity, working alongside our community and partners to foster impactful solutions.

Respect: Every interaction is grounded in respect, honoring the experiences and challenges faced by those we aid.

Innovation: We are committed to seeking out and implementing creative solutions that drive progress in the fight against homelessness and hunger.



30 MORE AI CHATBOT USE CASES



1. Mission statements
2. Vision statements
3. Value statements
4. Social media posts
5. Press releases
6. Newspaper copy
7. Radio scripts
8. Grant Proposals
9. Donor thank-you letters
10. Educational materials
11. Blog posts
12. Email campaigns
13. Case studies
14. Op-eds
15. Annual reports
16. Client testimonies
17. Brochure/flyer content
18. Training materials
19. Job descriptions
20. Policies and procedures
21. Policy advocacy letters
22. Newsletter content
23. Scriptwriting
24. Speech writing
25. FAQs
26. Website content
27. Program descriptions
28. Executive summaries
29. Interview questions
30. Surveys

80/20 RULE

This is a good work ratio between AI and the user



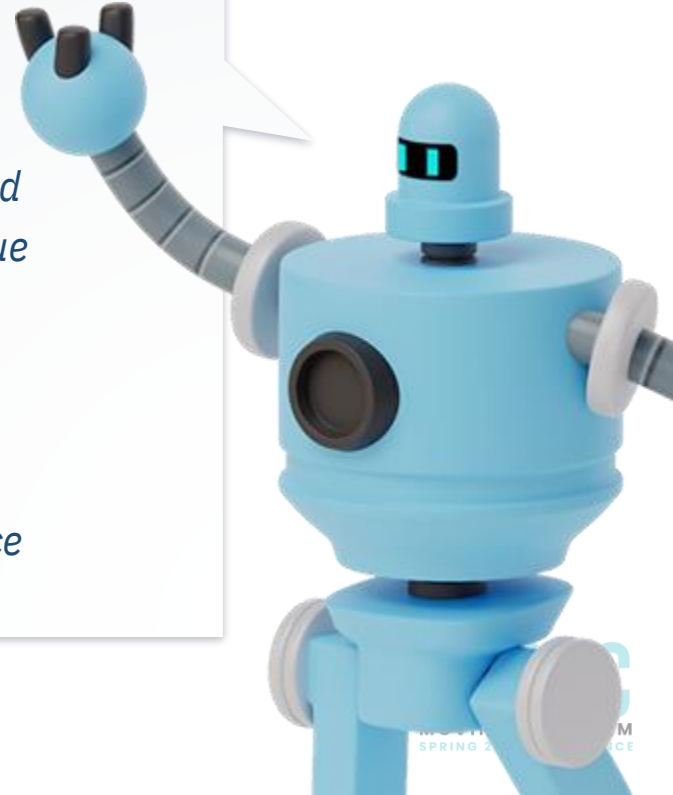
EXAMPLE #2

How to use an AI coding
assistant for data ETL



Custom AI

By creating a custom AI such as a Generative Pre-trained Transformer (GPT) and pre-loading it with your specific documentation libraries, you effectively craft a highly specialized subject matter expert. This AI can understand and interact based on the nuanced information and context unique to your work or personal needs. It becomes a tailored assistant, proficient in your domain, capable of providing insightful responses, generating relevant content, and assisting with tasks by drawing directly from a curated knowledge base you provide, making it an invaluable resource for efficient and informed decision-making.



6 ADVANTAGES OF USING A CUSTOM AI CHATBOT



Enhanced Accuracy

Tailors the model's responses to your specific domain, improving accuracy.

Efficiency

Streamlines workflows by automating tasks aligned with your operational specifics.

Personalized Experience

Creates a unique AI that understands your context and needs.

Knowledge Consolidation

Centralizes scattered information into a single, accessible AI resource.

Customized Learning

Tailors AI to learn from your specific content, leading to more accurate and relevant responses.

Innovation

Enables novel applications of AI tailored to niche or innovative use cases that can be shared with others.

USING CUSTOM AI CHATBOT FOR CODE GENERATION OVERVIEW



1. Install Python

Ask AI for instructions on installing Python for your desired work environment.

2. Troubleshoot Installation

Address any installation issues with AI's assistance.

3. Install Libraries

Follow AI's instructions to install additional Python libraries that might be needed.

4. Script Development

Get help from AI to refine or write a Python script that reads the text from the PDF and identifies transaction data.

5. Data Structuring

Use AI to improve the script to organize the extracted text into a structured format, like CSV, separating dates, descriptions, and amounts.

6. Data Preparation

Ensure the CSV file is ready for analysis, potentially using Python for initial data cleaning or analysis.

PDFtoText Bank Statement

NAME: GAITHER STEPHENS

12/26/2023 12/26/2023 Withdrawal ACH PAYPAL -16.22 1,012.15

TYPE: INST XFER CO: PAYPAL

NAME: GAITHER STEPHENS

12/26/2023 12/26/2023 Withdrawal ACH PAYPAL -18.55 993.60

TYPE: INST XFER CO: PAYPAL

NAME: GAITHER STEPHENS

12/26/2023 12/26/2023 Withdrawal ACH PAYPAL -21.87 971.73

TYPE: INST XFER CO: PAYPAL

NAME: GAITHER STEPHENS

12/26/2023 12/26/2023 Withdrawal ACH PAYPAL -26.34 945.39

TYPE: INST XFER CO: PAYPAL

NAME: GAITHER STEPHENS

12/26/2023 12/26/2023 Withdrawal ACH PAYPAL -57.35 888.04

TYPE: INST XFER CO: PAYPAL

NAME: GAITHER STEPHENS

12/26/2023 12/26/2023 Withdrawal ACH PAYPAL -7.53 880.51

TYPE: INST XFER CO: PAYPAL

GARP Generated Python Script

```

import re
import csv

def process_transactions(input_file_path, output_file_path):
    # Enhanced patterns to match the detailed structure of transactions more accurately
    account_info_pattern = re.compile(r'^(?:\d{4})\s(?:\sSuffix\s\d{4})')
    transaction_pattern = re.compile(r'^(\d{2}/\d{2}/\d{4})\s+(\d{2}/\d{2}/\d{4})\s+(.*)\s-\d+\.\d+\s\d+\.\d+$$')

    transactions = []
    current_account = None

    with open(input_file_path, 'r', encoding='utf-8') as file:
        lines = file.readlines()

    for i, line in enumerate(lines):
        account_match = account_info_pattern.search(line)
        if account_match:
            current_account = {'type': account_match.group(1), 'number': account_match.group(2)}

        transaction_match = transaction_pattern.search(line)
        if transaction_match and current_account:
            post_date = transaction_match.group(1)
            eff_date = transaction_match.group(2)
            transaction_details = transaction_match.group(3)
            # Split the transaction details to separate the transaction type from the merchant and amount
            details_parts = transaction_details.rsplit(' ', 2)
            if len(details_parts) == 3:
                transaction_type, amount, new_balance = details_parts
                merchant_info = ''
                # Checking for merchant info in the next line (Optional)
                if i+1 < len(lines):
                    possible_merchant_info = lines[i+1].strip()
                    if not transaction_pattern.search(possible_merchant_info):
                        merchant_info = possible_merchant_info
                # Assume next line is part of the current transaction and skip it in the next iteration
                transactions.append([current_account['type'], current_account['number'], post_date, transaction_type, amount, merchant_info])

    # Write transactions to CSV
    with open(output_file_path, 'w', newline='', encoding='utf-8') as output_file:
        writer = csv.writer(output_file)
        writer.writerow(["Account Type", "Account Number", "Post Date", "Transaction Type", "Amount", "Merchant Info"])
        for transaction in transactions:
            writer.writerow(transaction)

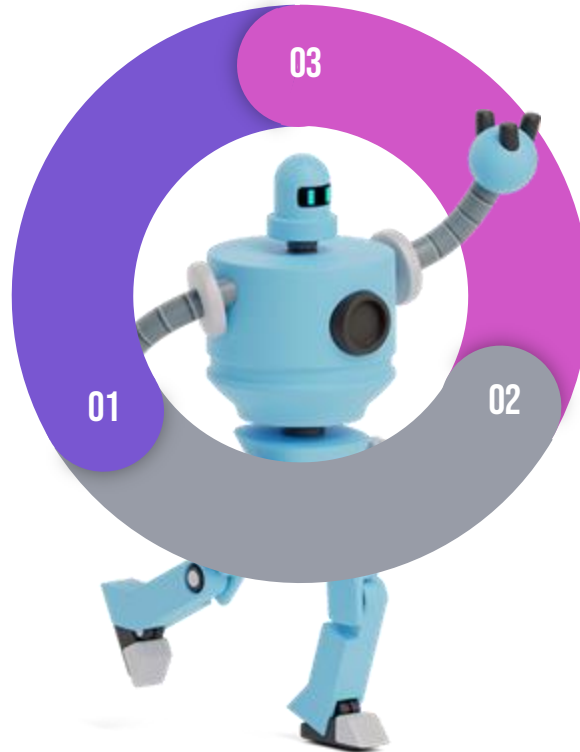
if __name__ == "__main__":
    input_file_path = 'PDFtoText.txt'
    output_file_path = 'TransactionsOutput.txt'
    process_transactions(input_file_path, output_file_path)

```

ITERATIVE PROMPTING STRATEGY FOR AI

AI INPUT

- Current instructions
- Current code
- Current output



AI OUTPUT

- New code to try

PROMPT MODIFICATION

- Examine output
- Modify instructions

Python Script Output

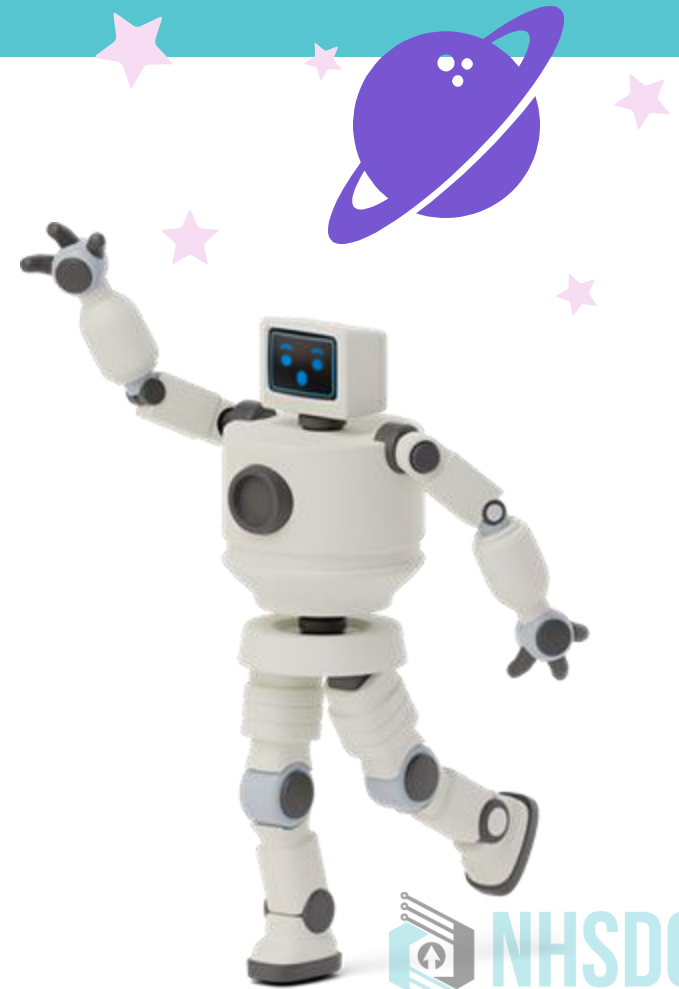
```
Account Type,Account Number,Post Date,Transaction Type,Amount,Merchant Info
REGULAR SAVINGS,0000,01/13/2024,Deposit Transfer From,Share,Total for this
REGULAR SAVINGS,0000,12/26/2023,Withdrawal,ACH,TYPE: INST XFER CO: PAYPAL
REGULAR SAVINGS,0000,12/26/2023,Withdrawal,ACH,TYPE: INST XFER CO: PAYPAL
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REGULAR SAVINGS,0000,12/26/2023,Withdrawal,ACH,TYPE: INST XFER CO: PAYPAL
```

Still a work in progress, as you can see there are no amounts yet, but by feeding the PDFtoText document (bank transaction data) into GARP, the current code, current output, and adjustment instructions, we can reach our desired output after several iterations of this process.



EXAMPLE #3

How I used GARP to create this
NHSDC presentation (advanced
prompt engineering)



AI Chatbot Pro-Tip: Self-Generated Prompts

Hello, we are going to be creating a presentation for me to give at a conference.

This is how the instructions are formatted.

- A. Current instruction set for presentation.
- B. Current presentation in the format:
 - a. Slide Number
 - i. Slide Content and description.
 - ii. Slide Note to be read out loud by me.
- C. Notes and documents.
- D. Static instructions to always keep in mind.



AI MASTERY: ESSENTIAL STRATEGIES FOR SUCCESS

Tips, Tricks, & Cautions



AI CHATBOT PROMPTS TO GET YOU STARTED



Explain like I'm...

Explain **[topic]** to me like I'm **[age]** years old.

Learn a new skill

I wan to learn **[subject]**. I am a complete beginner. Create a 30-day learning plan that will help me learn and improve.

Start at the beginning

I am a social worker, and I am new to AI. Can you give me a list of prompts that help me get stuff done?

Consult an expert

I will give you a sample of my writing, I want you to criticize it as if you were **[person]**: **[your writing]**

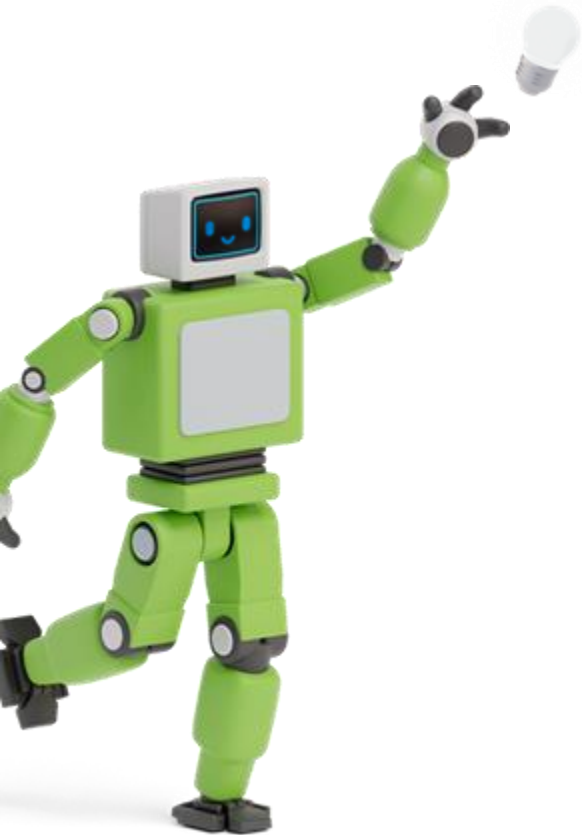
80/20 Learning

I want to learn about **[topic]**. Identify and share the most important 20% of learnings from this topic that will help me understand 80% of it.

Innovation

Enables novel applications of AI tailored to niche or innovative use cases that can be shared with others.

AI TIPS & TRICKS FROM EXPERIENCE



Multiple Options

AI can be limited by the number of interactions with it during a time frame. Rather than asking for 1 suggestion at a time, ask for 30.

Ask Advice

If you have a question in your head, ask AI using natural language, and ask for suggestions on how to deal with it.

Separate Instructions

Keep instructions in a text document so you can more easily review, refine, and resubmit them.

Start Over

Occasionally, AI may deviate from initial instructions. To realign, review and resend your original directions in a condensed form.

Use a Custom AI

If you have a long-term project that you need expertise from, build a custom AI to help.

Double Check

Always read every word that AI generates and double check everything for accuracy.

AI PITFALLS: UNDERSTANDING THE CHALLENGES



Misinterpretations

Sometimes, AI may not fully grasp complex prompts, leading to irrelevant responses.

Bias in Responses

The model can inadvertently reflect biases present in its training data.

Data Privacy Concerns

Sharing sensitive information poses a risk as the model can't ensure data privacy.

Dependence on Internet

AI requires an internet connection, limiting access in offline scenarios.

Context Inaccuracy

AI might generate plausible but incorrect information, requiring fact-checking.

Hitting Usage Limits

High demand can lead to hitting usage quotas, restricting access to the service.



NAVIGATING AI PITFALLS: PRACTICAL CONSIDERATIONS



Misunderstanding Nuance

Subtleties of language or humor might not be accurately captured or generated.

Downtime & Accessibility

Scheduled maintenance or unexpected outages can make the service temporarily unavailable.

Over-reliance on AI

Excessive dependence might hinder critical thinking and problem-solving skills.

Ethical & Legal Risks

Using AI-generated content in sensitive or regulated areas might pose ethical or legal challenges.

Response Drift

AI might stray from the original instructions or topic over extended interactions.

Feedback Loop Risks

Incorrect or biased feedback can reinforce unwanted behaviors or outputs in the model.

ANY QUESTIONS?

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