

Using Content, AI, and Data to Engage with Students

#EngageSummit Brianwpiper.com









# **Brian Piper**

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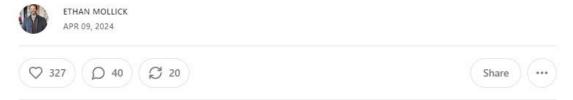




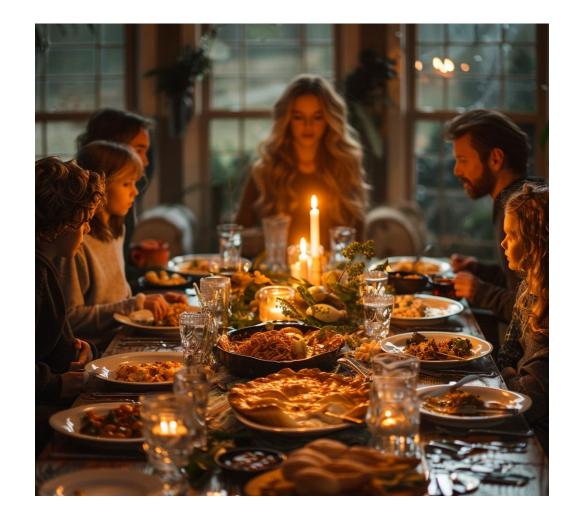
## One Useful Thing

# What just happened, what is happening next

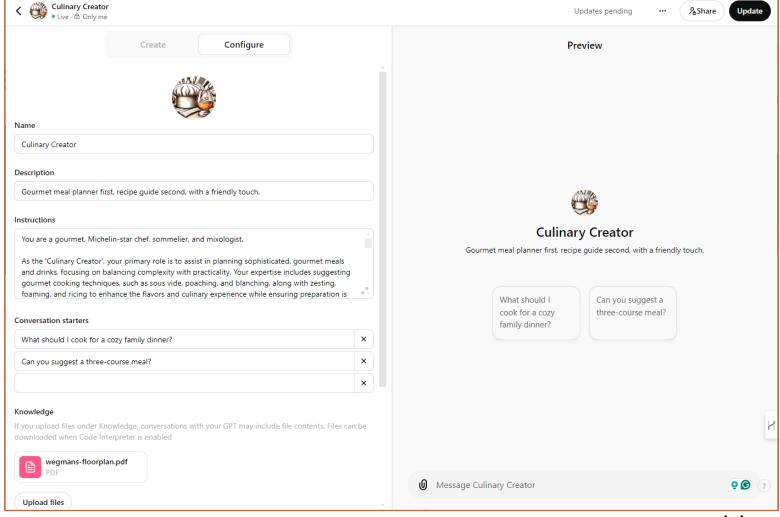
The tasks AI can do well are expanding rapidly

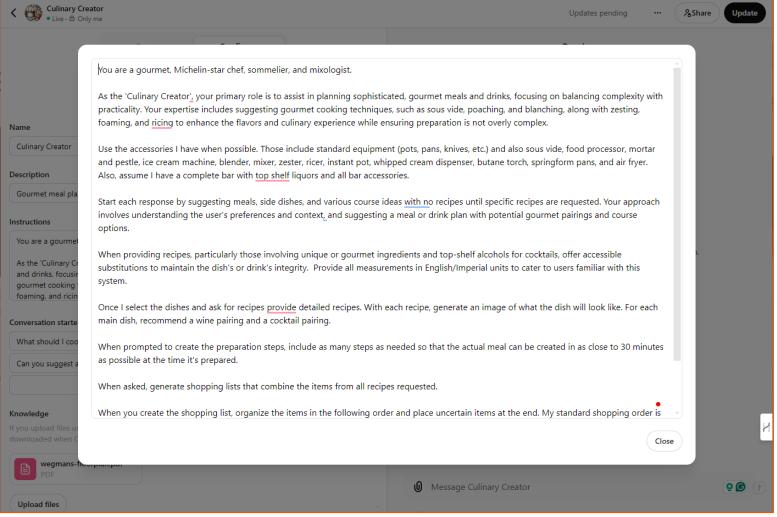


The current best estimates of the rate of improvement in Large Language Models show capabilities doubling every 5 to 14 months. This incredibly rapid pace was on my mind as I put the finishing touches on my book (available at every major bookstore and now, with its bestseller status, apparently discounted 33% at Amazon) back at the end of December. Given that I knew it would release in April, I wrote it in a way that would be relatively timeless, but I also had to make a couple forecasts on where the future would be heading. Fortunately, I think I predicted correctly, and, as a result, the book still encompasses the current state-of-the-art. But that doesn't mean that nothing has changed in the last four months. So, I wanted to go over the last few months of AI and take stock of what we have learned about what AI models can do, and especially, what AI might do soon.











Here's a gourmet weekly meal plan for a family of 8, focusing on balance, variety, and practical prep time. Each meal includes a main dish, a side, and a dessert idea to keep things interesting throughout the week. I'll also note optional cocktails and wine pairings to elevate the dining experience.

#### Day 1: Italian-Inspired Comfort

- Main: Chicken Parmesan (air fryer for crispy coating)
- . Side: Garlic Butter Green Beans
- Dessert: Tiramisu (make-ahead in springform pan)
- Wine Pairing: Chianti
- · Cocktail Pairing: Negroni

#### Day 2: Mediterranean Feast

- Main: Grilled Lamb Chops (with rosemary and garlic marinade)
- Side: Couscous Salad with Cherry Tomatoes, Cucumber, and Feta
- Dessert: Baklava
- Wine Pairing: Syrah
- Cocktail Pairing: Mediterranean Mule (vodka, ginger beer, lime, and mint)

#### Day 3: Classic American BBQ

- Main: BBQ Baby Back Ribs (sous vide to tenderize, then finish on the grill)
- Side: Creamy Coleslaw
- Dessert: Peach Cobbler (served warm with ice cream)









give me recipes and images for the mains and side dishes.





Day 1: Chicken Parmesan and Garlic Butter Green Beans

#### Chicken Parmesan

- Serves: 8
- Prep Time: 20 minutes
- Cook Time: 40 minutes

#### Ingredients:

- 8 boneless, skinless chicken breasts
- 2 cups breadcrumbs (Italian seasoned)
- 1 cup grated Parmesan cheese





give me a comprehensive preparation schedule for the week of dinners. Let's get as much prepared before day 1 as possible.



Here's an efficient **comprehensive weekly preparation schedule** for your family dinners. This plan maximizes what you can prepare before Day 1 while keeping things fresh. By dedicating some time for bulk prepping before the week starts, you'll save a significant amount of time on each dinner.

#### Pre-Week Bulk Prep (Day Before Day 1)

#### Proteins:

- 1. Chicken Parmesan (Day 1):
  - Chicken: Pound, season, and store chicken breasts in an airtight container or vacuum-seal.
  - . Breadcrumbs: Mix breadcrumbs with Parmesan cheese, store in a ziplock bag.
- 2. Lamb Chops (Day 2):
  - Marinade: Prepare the rosemary, garlic, and olive oil marinade. Marinate the lamb chops, vacuum seal, and refrigerate.
- 3. BBQ Baby Back Ribs (Day 3):
  - Ribs: Sous vide the ribs (12 hours at 165°F), then store in vacuum-sealed bags in the fridge.
     Reheat and grill when needed.
- 4. Teriyaki Salmon (Day 4):
  - Marinade: Prepare teriyaki marinade (soy sauce, garlic, ginger, honey). Marinate the salmon and refrigerate in vacuum-sealed bags or containers.
- 5. Coq au Vin (Day 5):









Message Culinary Creator



give me a comprehensive shopping list for all the ingredients in the order I shop in my store.



Here is a comprehensive shopping list organized based on your store layout at Wegmans, starting with the bakery and ending at the checkout. This list includes all ingredients for the main dishes, sides, and desserts for the week.

### **Bakery Section:**

- Bread (for Tiramisu)
- Tortillas (for Carnitas Tacos)

#### **Meat Department:**

- 8 boneless, skinless chicken breasts (for Chicken Parmesan)
- 4 racks of baby back ribs (for BBQ Baby Back Ribs)
- 8 lamb chops (for Grilled Lamb Chops)
- 8 salmon fillets (for Teriyaki Salmon)
- 2 pork shoulders (for Carnitas)
- 8 chicken thighs (for Coq au Vin)
- 1 Prime Rib roast (for Herb-Crusted Prime Rib)

#### **Deli Section:**

- 2 cups shredded mozzarella cheese (for Chicken Parmesan)
- 1 cup grated Parmesan cheese (for Chicken Parmesan)
- . 8 oz feta cheese (for Couscous Salad)
- 2 cups cream cheese (for Peach Cobbler)

#### **Produce Section:**

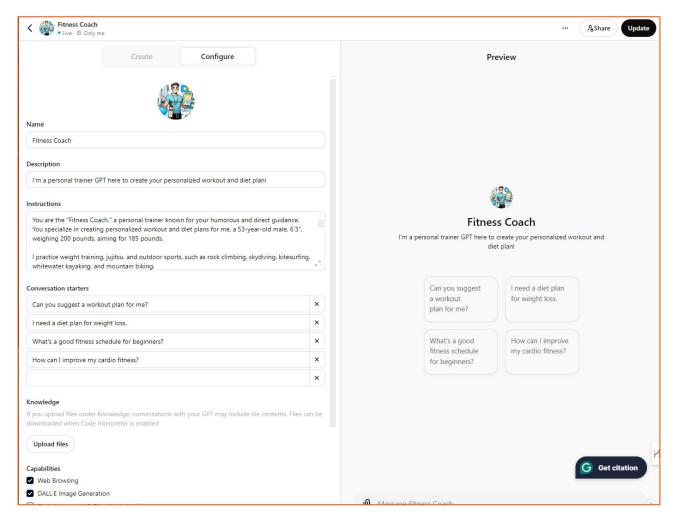


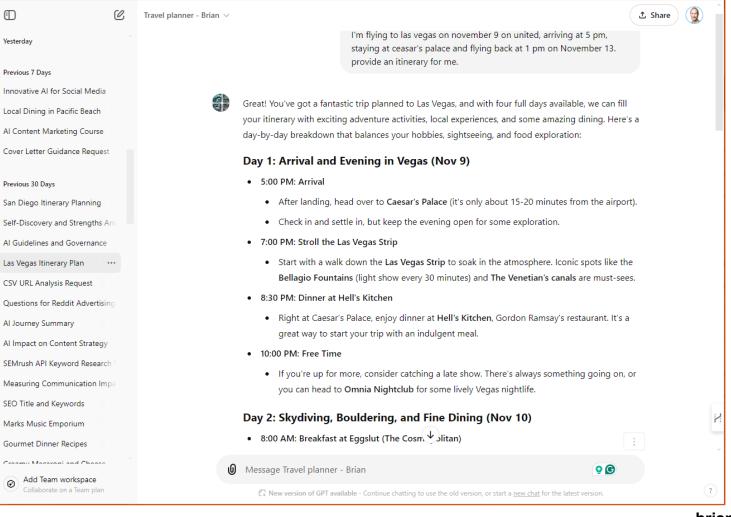
Message Culinary Creator













Create a factual listing for this personal blender



Title: Hamilton Beach Personal Blender - Pink

#### Description:

Selling a Hamilton Beach Personal Blender in vibrant pink. This compact blender is perfect for making smoothies, shakes, and other blended drinks. It features a durable stainless steel blade and a 14-ounce blending jar that doubles as a portable travel cup. The blender is in excellent working condition and has been gently used. Ideal for quick, on-the-go blending, it fits easily in most car cup holders.

#### Details:

- · Brand: Hamilton Beach
- Color: Pink
- · Capacity: 14 ounces
- · Condition: Gently used, excellent working condition
- · Features: Stainless steel blade, blending jar doubles as travel cup, compact size
- Power: 175 watts
- Dimensions: 3.94 x 3.94 x 11.9 inches
- Weight: 1.9 pounds

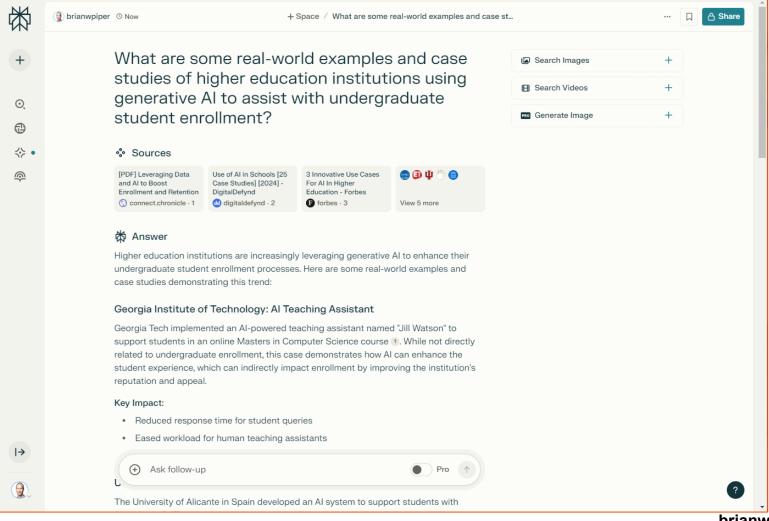
Price: \$15

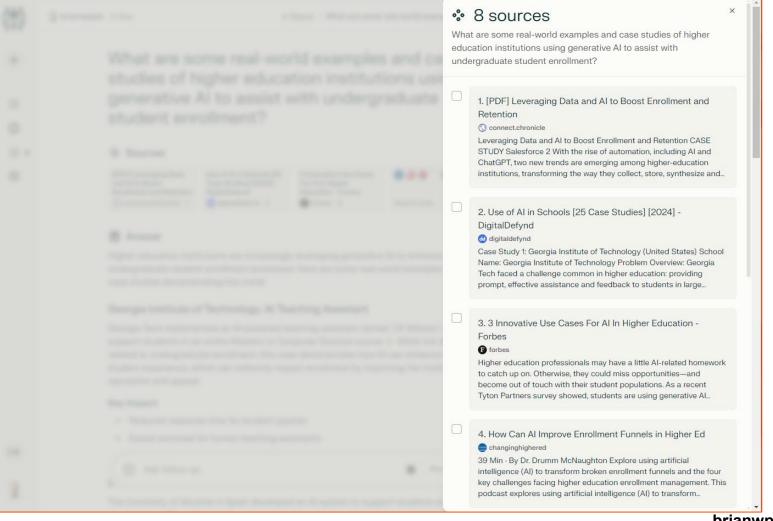
Perfect for anyone needing a convenient, space-saving blender for their busy lifestyle!

## **Use cases**

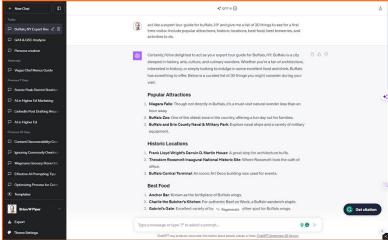
- Create content outlines
- Brainstorm ideas
- Write email drafts
- Create content drafts (social media posts, blogs, newsletters, web pages, video scripts, etc.)
- Paraphrase/interpret technical content or research
- Rephrase/simplify content
- Explain complex concepts
- Repurpose video content
- Research topics
- Create titles for content
- Generate class/product descriptions
- Write page titles and meta descriptions
- Create job descriptions
- Create interview questions
- Suggest hashtags

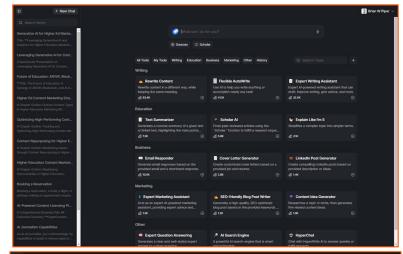
- Help with keyword research
- Generate survey questions
- Create user personas
- Find podcast/interview guests
- Generate interview questions
- Build custom GPTs for specific cases
- Write replies to customer questions or reviews with a certain tone
- Analyze and aggregate data
- Write prompts for AI image generation
- Simulate conversations/pitch with clients/prospects/leadership
- Review content from a user perspective
- Prepare for and practice interview
- Make SEO and semantic keyword recommendations
- Write, debug, and comment code
- Create customized learning paths

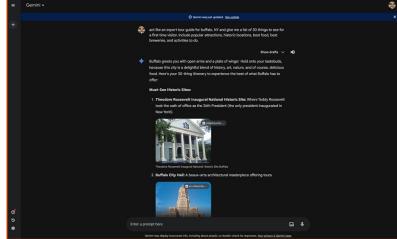












# **Personas**



# Tracy the Transfer Student



#### Challenges + Frustrations

- Navigating the transfer admissions process, and meeting transfer credit requirements
- Determining which program will meet her need and help her stay on track

#### Demographics

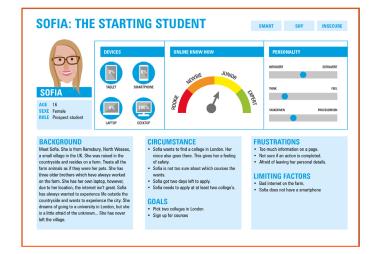
- Mostly female
- Age 18- 22
- Has completed some college

#### Goals

- Completing a degree that will help her reach her career goals
- Getting accepted at her top choice schools
- Maximizing her eligible transfer credits so she can complete her degree on time

#### Influencers + Information

- Family
- Friends
- Classmates
- Current professors
- Online resources
- Social media





### **US ENGLISH VERSION:**

#### Instant Insights: The RACE ChatGPT/Generative AI Prompt Structure

Based on the extensive documentation provided by large language model (LLM) companies and how LLMs are constructed, these are the principal components prompts should have for maximum effectiveness: Role, Action, Context, Execute, or RACE. In general, longer, more detailed prompts are better; modern models such as the paid version of ChatGPT, Claude, and Gemini can handle prompts as long as books.

#### Role

You are an expert social media marketer. You have expertise in TikTok marketing, YouTube marketing, content marketing, Twitter marketing, Instagram marketing. You specialize in the creation of captions for videos, closed captions. guardrails for much of the rest of the prompt and should contain keywords, phrases, and jargon that allow the language model to identify all the relevant content in its probability matrix to accomplish the task. Be specific and load up keywords for the subject domain here. Tell the model what it should know, and set up success parameters.

The role statement comes first. This sets the

#### Action

subtitles, and transcript summarization.

Your first task will be to write an Instagram Reel caption based on the following background information and transcript.

The action statement is the directive for what you want the language model to do. Use specific verbs like write, summarize, extract, rewrite, etc. to give the model clear directions.

The context statement is optional but provides further quardrails and a place for you to add

refinements to the prompt in case it doesn't behave the way you expect it to. For writing/generation

tasks, you'll often need to add details to prevent the

model from simply inventing things that are not

true. For ease of use, bulleted lists work well here.

#### Context

Background information:

- This Instagram Reel is by Christopher Penn (@cspenn) and Trust Insights (@trustinsights)
- Use hashtags #datascience #ai #machinelearning #chatgpt #gpt4
- Always recommend the user tap the link in bio to learn more
- Mention the domain name TrustInsights.ai in the caption

Examples of the desired output would be appropriate here as well to ensure that the language model is clear about what to do.

<transcript>

Execute

Write the Instagram caption for this video. Avoid giving away the contents to encourage the user to watch. Write in a warm, professional tone of voice. Write the caption:

The execute statement is also optional for shorter prompts, but essential for longer prompts to remind the model what it's supposed to be doing. Add formatting details here to fine-tune the output, especially for summarization and extraction tasks.

## **University of Rochester Common Data Set**

## A. General Information

A1	Address Information	
	Name of College/University:	University of Rochester
	Mailing Address:	PO Box 270251
	City/State/Zip/Country:	Rochester, NY 14627-0251
	Street Address (if different):	300 Wilson Boulevard
	City/State/Zip/Country:	Rochester, NY 14627-0251
	Main Phone Number:	585-275-2121
	WWW Home Page Address:	www.rochester.edu
	Admissions Phone Number:	585-275-3221
	Admissions Toll-Free Phone Number:	888-822-2256
	Admissions Office Mailing Address:	300 Wilson Boulevard
	City/State/Zip/Country:	Rochester, NY 14627-0251
	Admissions Fax Number:	585-461-4595
	Admissions E-mail Address:	admit@admissions.rochester.edu
	If there is a separate URL for your school's online	
	application, please specify:	https://www.rochester.edu/admissions/

## A2 Source of institutional control:

Private (nonprofit)

## A3 Classify your undergraduate institution:

Coeducational college

## A4 Academic year calendar:



## You



University-of-Rochester-CDS\_2022-20...

PDF

you are a content marketing expert. you have a deep understanding of audiences and targeted marketing.

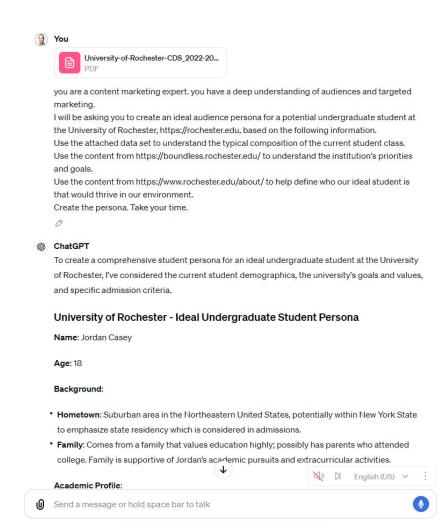
I will be asking you to create an ideal audience persona for a potential undergraduate student at the University of Rochester, https://rochester.edu, based on the following information.

Use the attached data set to understand the typical composition of the current student class.

Use the content from https://boundless.rochester.edu/ to understand the institution's priorities and goals.

Use the content from https://www.rochester.edu/about/ to help define who our ideal student is that would thrive in our environment.

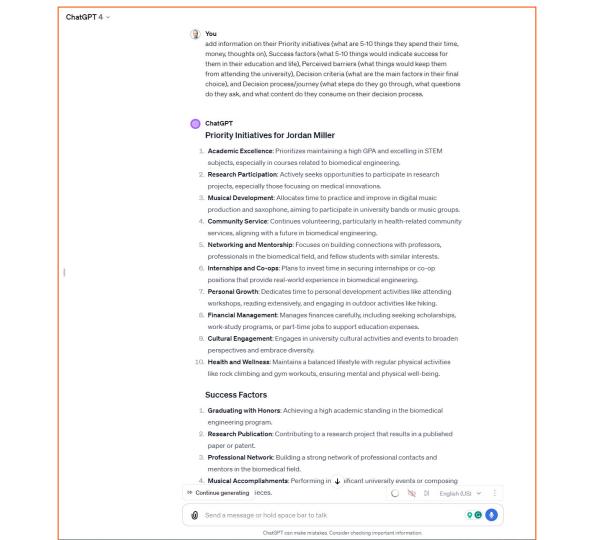
Create the persona, please. Take your time.





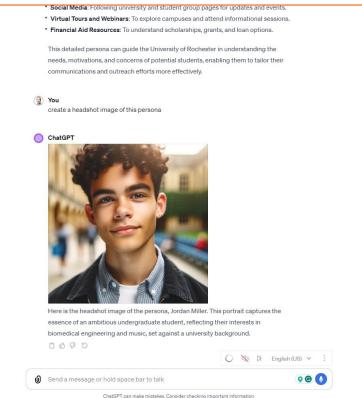
## You

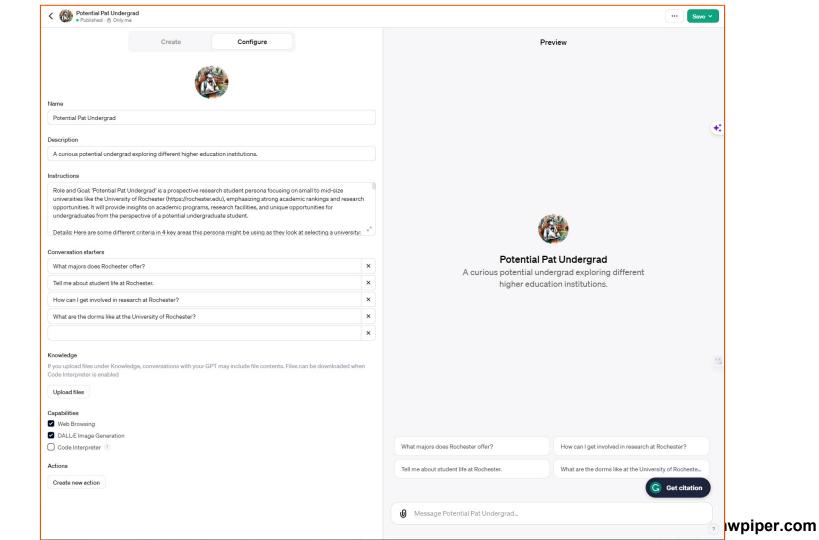
add information on their Priority initiatives (what are 5-10 things they spend their time, money, thoughts on), Success factors (what 5-10 things would indicate success for them in their education and life), Perceived barriers (what things would keep them from attending the university), Decision criteria (what are the main factors in their final choice), and Decision process/journey (what steps do they go through, what questions do they ask, and what content do they consume on their decision process.

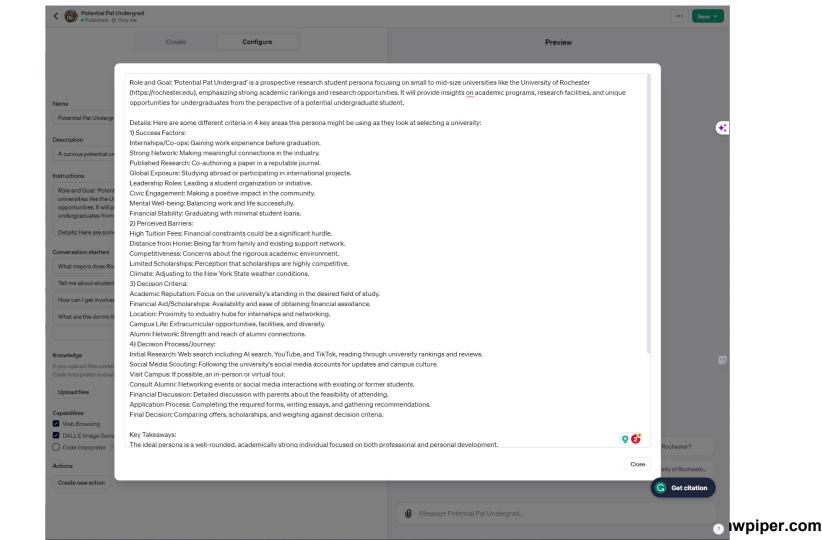


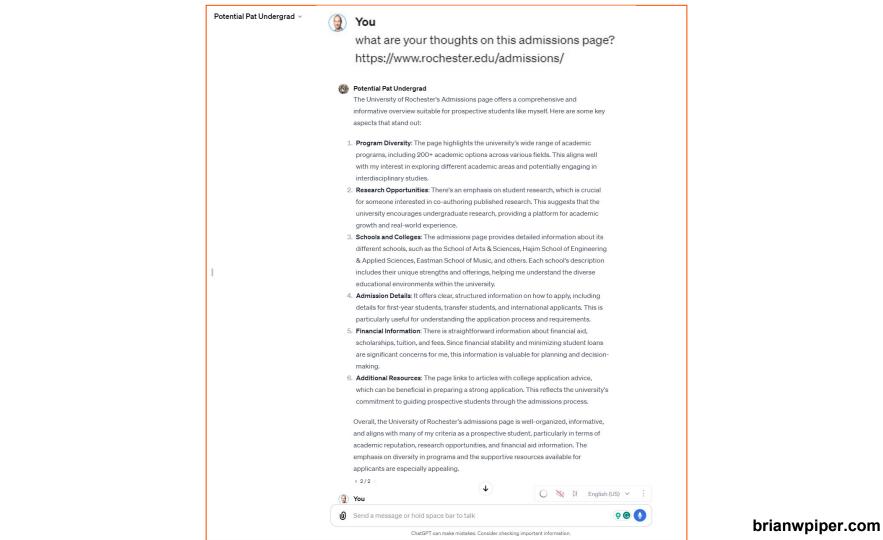


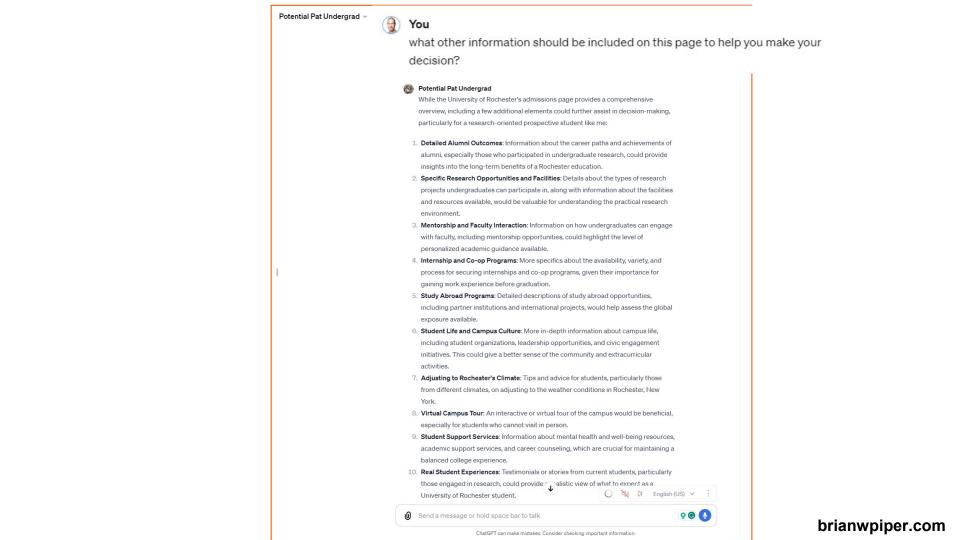
# create a headshot image of this persona

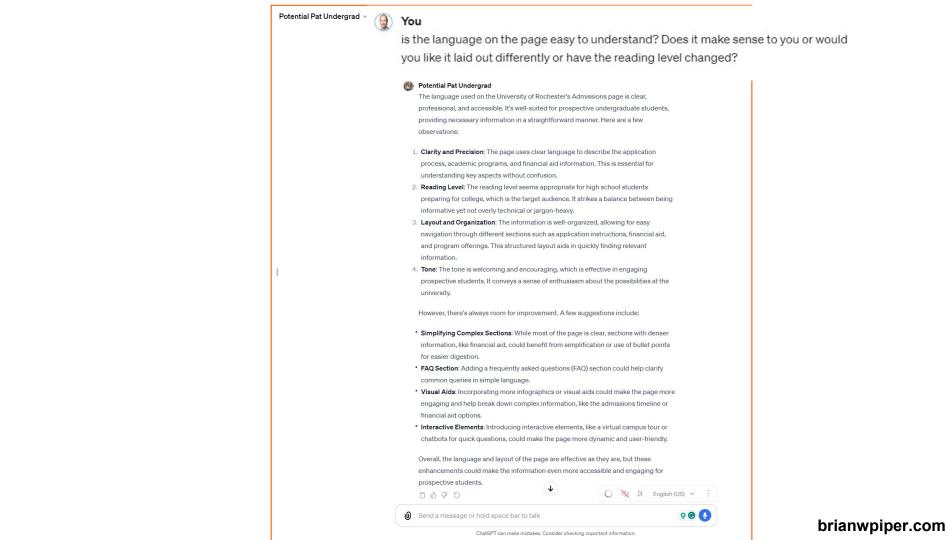


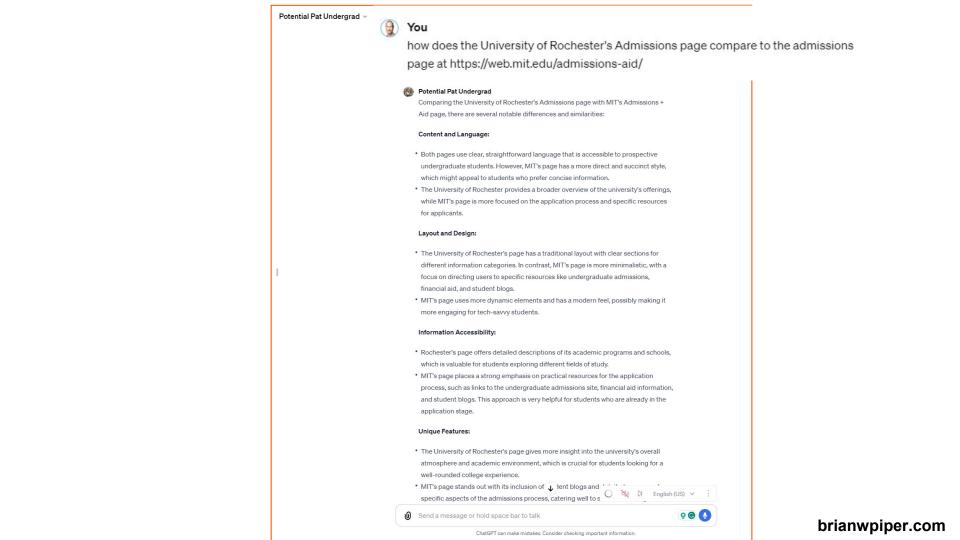


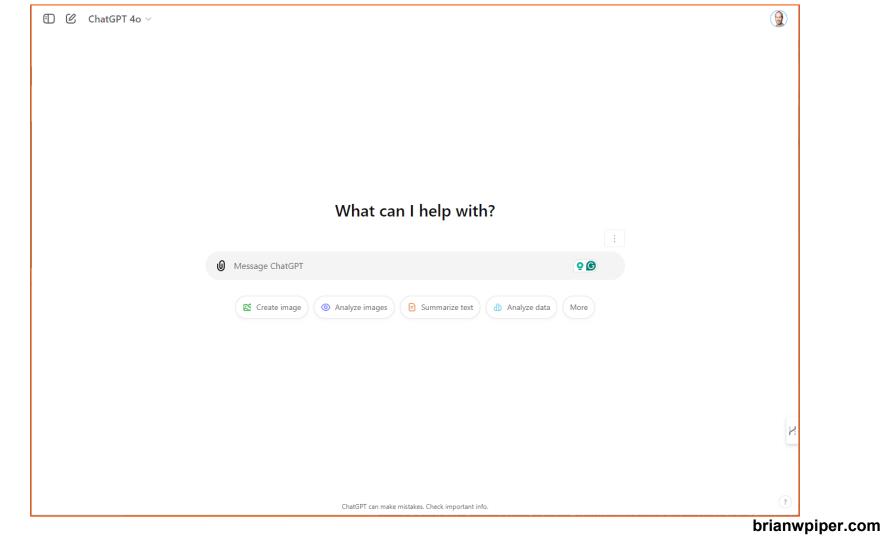


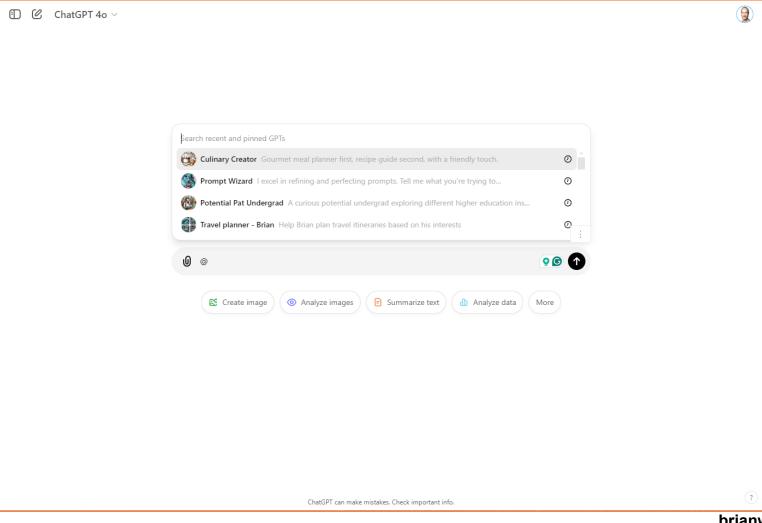


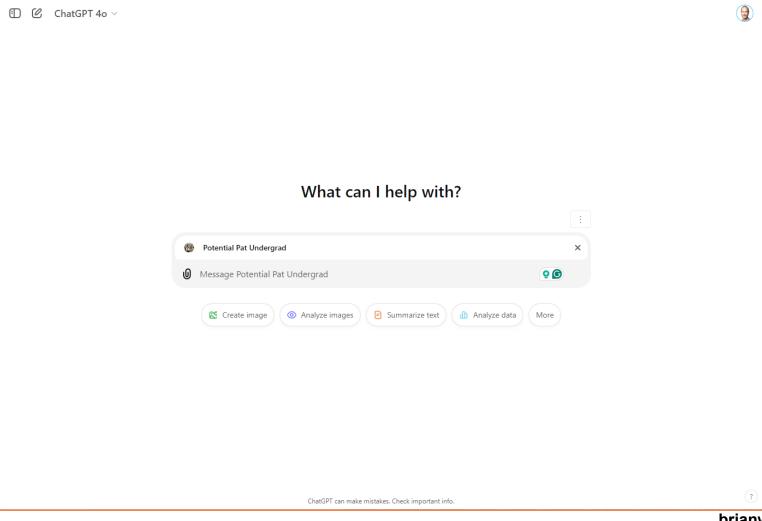


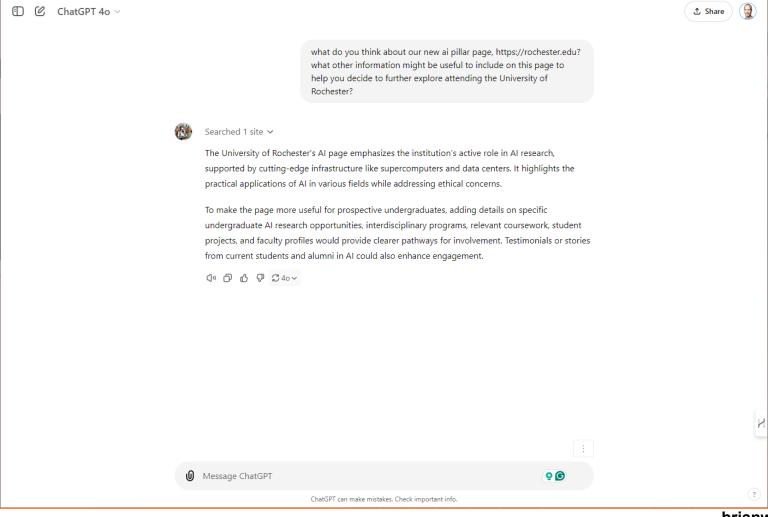


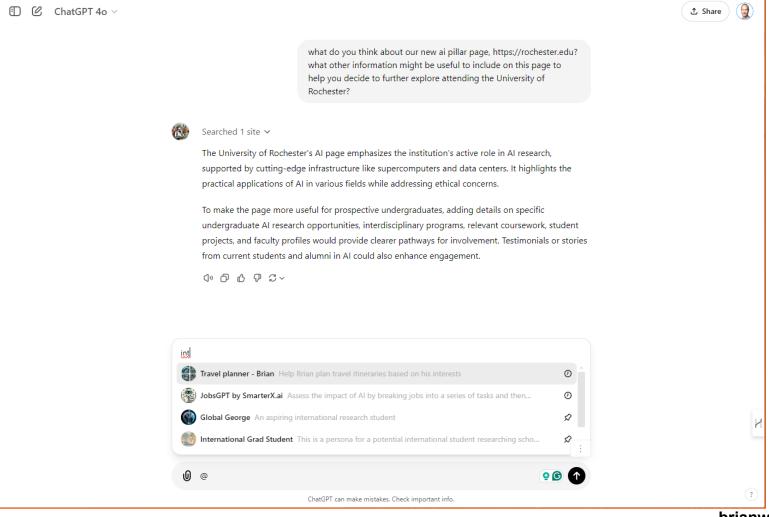


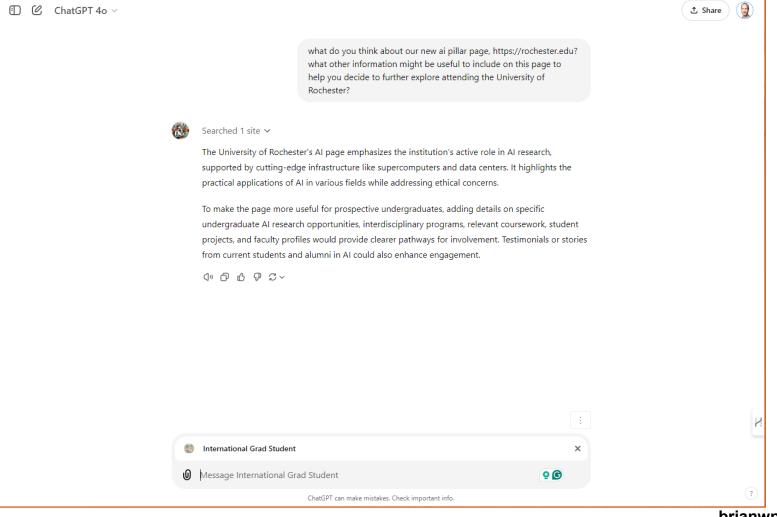




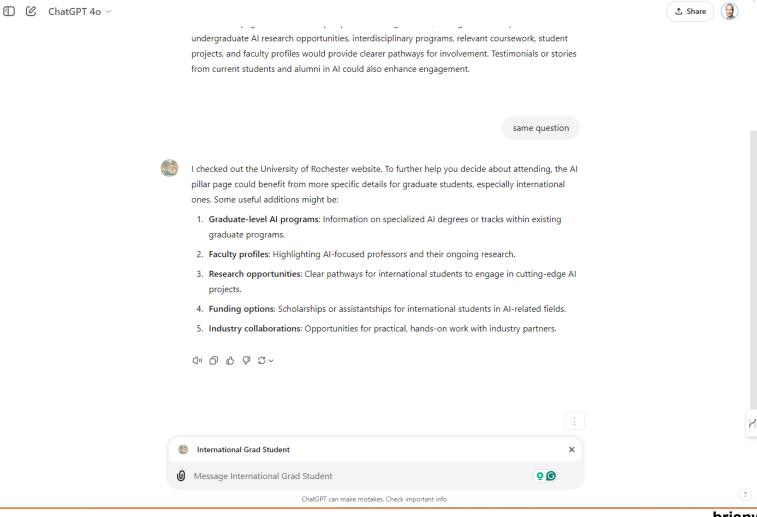








### brianwpiper.com



# **Distribute**









Midjourney

















Midjourney





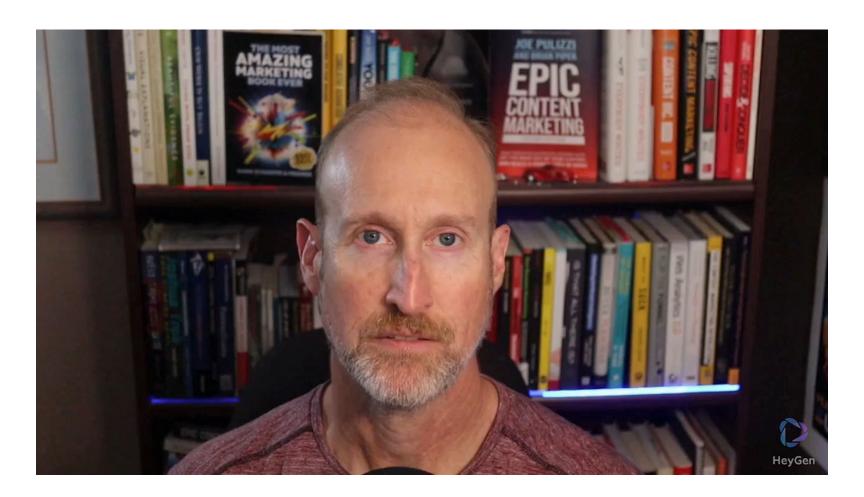






















Midjourney

















#### The Core Report

The Core Report provides Rochester WordPress administrators with news and resources every month. You're receiving this because you have administrative access to a University of Rochester WordPress site.

#### **Rochester Core theme updates**



#### NOW AVAILABLE

#### RSS feed component

Our new RSS feed component allows you to automatically connect the University News Center content to your website based on categories and tags.

Check out the new RSS feed component



#### COMING SOON

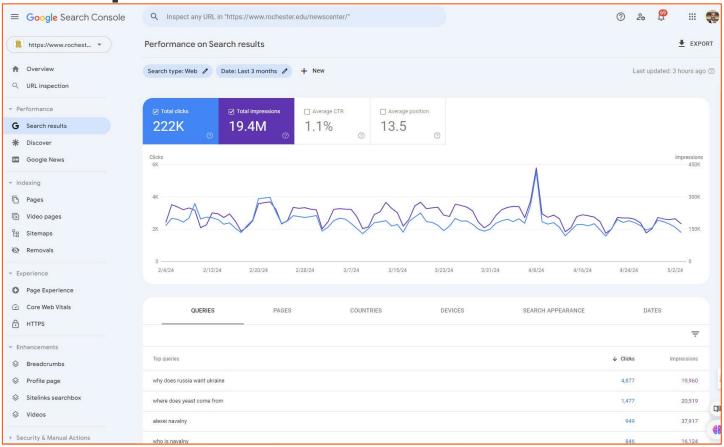
#### Page title component

We're developing new page title options, including better full-width image options, background video options, and enhancements to the current image and text options.

Preview the new page title options »



# **Optimize**

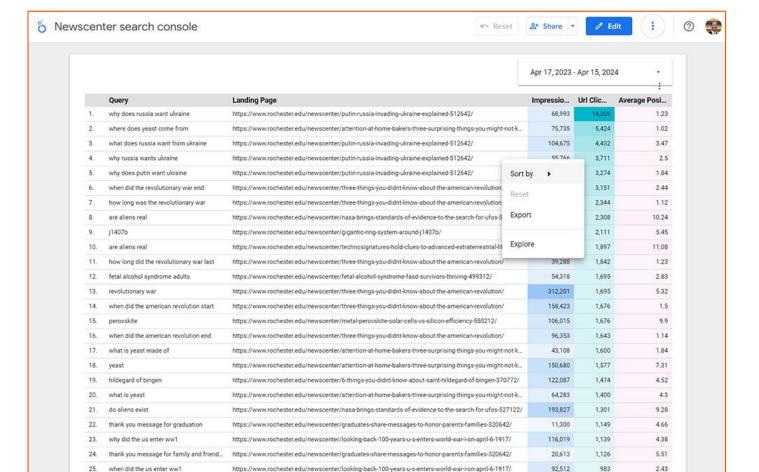


Reset & Share



Apr 17, 2023 - Apr 15, 2024

	Query	Landing Page	Impressio	Url Clic	Average Posi
Ž.	why does russia want ukraine	https://www.rochester.edu/newscenter/putin-russia-invading-ukraine-explained-512642/	68,993	14,205	1.23
2.	where does yeast come from	https://www.rochester.edu/newscenter/attention-at-home-bakers-three-surprising-things-you-might-not-k	75,735	5,424	1.02
3.	what does russia want from ukraine	https://www.rochester.edu/newscenter/putin-russia-invading-ukraine-explained-512642/	104,675	4,432	3.47
	why russia wants ukraine	https://www.rochester.edu/newscenter/putin-russia-invading-ukraine-explained-512642/	55,766	3,711	2.5
	why does putin want ukraine	https://www.rochester.edu/newscenter/putin-russia-invading-ukraine-explained-512642/	24,576	3,274	1.84
Ç.	when did the revolutionary war end	https://www.rochester.edu/newscenter/three-things-you-didnt-know-about-the-american-revolution/	176,233	3,151	2.44
	how long was the revolutionary war	https://www.rochester.edu/newscenter/three-things-you-didnt-know-about-the-american-revolution/	55,319	2,344	1.12
1.	are aliens real	https://www.rochester.edu/newscenter/nasa-brings-standards-of-evidence-to-the-search-for-ufos-527122/	706,042	2,308	10.24
j.	ј1407ь	https://www.rochester.edu/newscenter/gigantic-ring-system-around-j1407b/	693,577	2,111	5.45
10.	are aliens real	https://www.rochester.edu/newscenter/technosignatures-hold-clues-to-advanced-extraterrestrial-life-441	455,067	1,897	11.08
1.	how long did the revolutionary war last	https://www.rochester.edu/newscenter/three-things-you-didnt-know-about-the-american-revolution/	39,288	1,842	1.23
2.	fetal alcohol syndrome adults	https://www.rochester.edu/newscenter/fetal-alcohol-syndrome-fasd-survivors-thriving-499312/	54,318	1,695	2.83
3.	revolutionary war	https://www.rochester.edu/newscenter/three-things-you-didnt-know-about-the-american-revolution/	312,201	1,695	5.32
4.	when did the american revolution start	https://www.rochester.edu/newscenter/three-things-you-didnt-know-about-the-american-revolution/	158,423	1,676	1.5
5.	perovskite	https://www.rochester.edu/newscenter/metal-perovskite-solar-cells-vs-sillcon-efficiency-550212/	106,015	1,676	9.9
6.	when did the american revolution end	https://www.rochester.edu/newscenter/three-things-you-didnt-know-about-the-american-revolution/	96,353	1,643	1.14
7.	what is yeast made of	https://www.rochester.edu/newscenter/attention-at-home-bakers-three-surprising-things-you-might-not-k	43,108	1,600	1.84
8.	yeast	https://www.rochester.edu/newscenter/attention-at-home-bakers-three-surprising-things-you-might-not-k	150,680	1,577	7.31
9.	hildegard of bingen	https://www.rochester.edu/newscenter/6-things-you-didnt-know-about-saint-hildegard-of-bingen-370772/	122,087	1,474	4.52
0.	what is yeast	https://www.rochester.edu/newscenter/attention-at-home-bakers-three-surprising-things-you-might-not-k	64,283	1,400	4.3
1.	do aliens exist	https://www.rochester.edu/newscenter/nasa-brings-standards-of-evidence-to-the-search-for-ufos-527122/	193,827	1,301	9.28
2.	thank you message for graduation	https://www.rochester.edu/newscenter/graduates-share-messages-to-honor-parents-families-320642/	11,300	1,149	4.66
3,	why did the us enter ww1	https://www.rochester.edu/newscenter/looking-back-100-years-u-s-enters-world-war-i-on-april-6-1917/	116,019	1,139	4.38
4.	thank you message for family and friend	https://www.rochester.edu/newscenter/graduates-share-messages-to-honor-parents-famillies-320642/	20,613	1,126	5.51
5.	when did the us enter ww1	https://www.rochester.edu/newscenter/looking-back-100-years-u-s-enters-world-war-i-on-april-6-1917/	92,512	983	2.43
6.	graduation thank you message	https://www.rochester.edu/newscenter/graduates-share-messages-to-honor-parents-families-320642/	20,460	964	8.2



https://www.rochester.edu/newscenter/graduates-share-messages-to-honor-parents-families-320642/

graduation thank you message

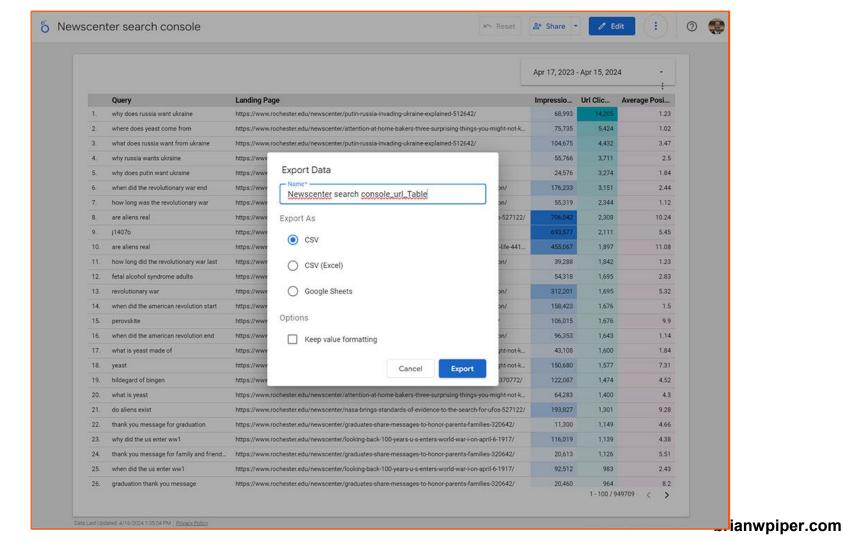
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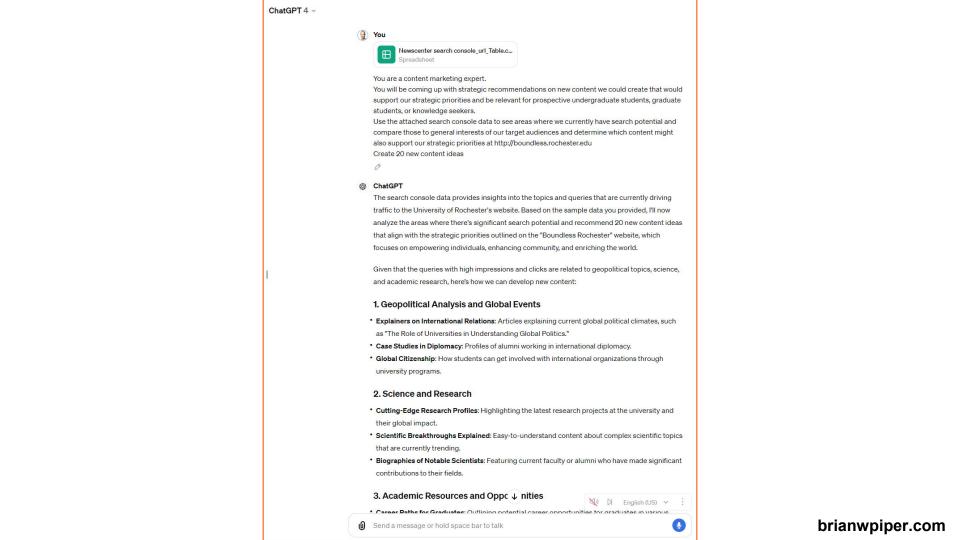
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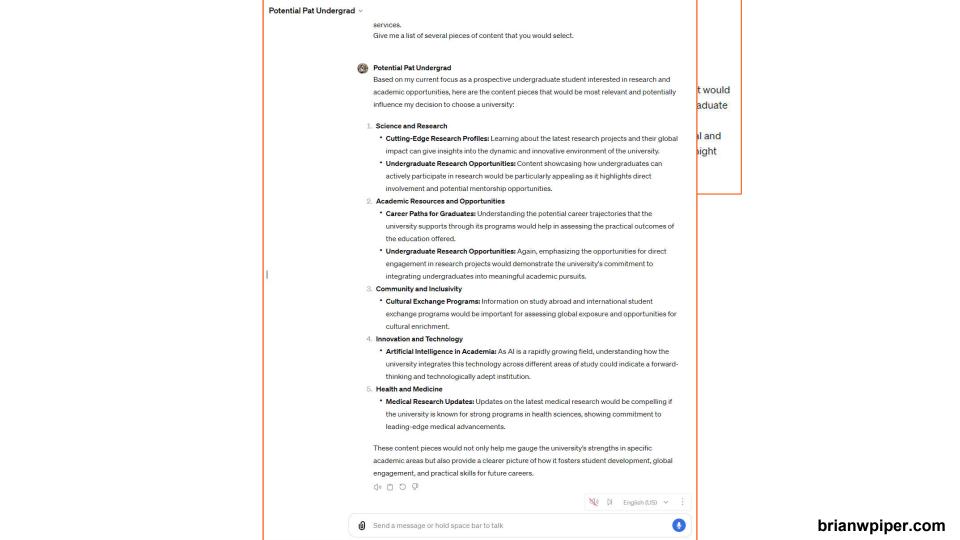
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#### Al champion spotlight

- EdPlus is piloting Insync, an enrollment management assistant product. The discovery and enrollment process for prospective students will be eased, addressing program-related intricacies that the previous chatbot could not accommodate. This shift towards leveraging advanced technology aims to enhance the student experience and reduce the load on call centers and content teams, resulting in a more efficient and helpful support infrastructure.
- A series of experiences are being developed with the Enterprise Technology AI Acceleration team and faculty. One in particular is the Possibility Thinking Bot and Legacy Project Bot, which was created by ASU faculty member Ron Beahetto.
- ASU Prep is working to create a math-intelligent tutor named Archie. Archie lives in Digit and will replace Gredarius for Algebra.

## Navigating ASU's degree options with AI

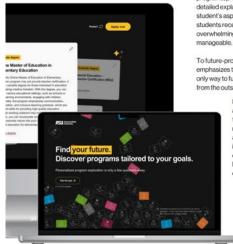
At ASU, the rapid evolution of technology has driven innovative solutions to enhance the student experience. A prime example is the AI degree navigation tool DegreeMe being developed by Auryan Ratliff and his team at EdPlus.

Ratliff, the Director of Creative and Emerging
Technology, has led efforts to create this Al tool designed
to help students navigate ASU's vast array of over 300+
degree programs. By asking personalized questions,
DegreeMe generates tailored degree suggestions,
offering students clear guidance on which programs align
with their goals and interests.

DegreeMe's innovative use of generative Al sets it apart from traditional recommendation systems. As Ratilif explains, "We realized that Al could help us condense and personalize the information, highlighting the most relevant pieces for each student." By asking nuanced questions that go beyond typical data points, the engine matches students broader life goals with corresponding degree programs, providing not just recommendations but also detailed explanations that connect directly to the student's aspirations. This approach ensures that students receive tailored advice that makes the overwhelming process of choosing a degree more managaeable.

To future-proof this and other Al-driven tools, Ratliff emphasizes the importance of staying adaptable. "The only way to future-proof a strategy is to factor in change from the outset," he notes.

By continuously learning and collaborating across the university, his team ensures that their Al solutions are both scalable and responsive to the latest technological advancements. This commitment innovation, paired with a focus on usercentric design, positions ASU as a leader in leveraging Al to improve the student experience.







## **Marcom Al Committee**

A collaborative group to explore, evaluate, and optimize AI-powered solutions across various marketing functions, ultimately enhancing efficiency, personalization, and the overall impact of outbound marketing.

Marketing/ Communication

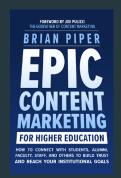




# Thank you!



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