

Disclosures

Current affiliations. No conflicts of interest to report.

Consultant &/or Service Provider

- Nutrition by Drew, PLLC
- TELUS Health / TELUS Santé
- Microsoft Canada | Bing & MSN Health
- MedWorks Canada
- College of Dietitians of Ontario
- The Academy | Foundation, State Affiliates, DPGs & MIGs

Lecturer

- Buffalo State University | Health, Nutrition & Dietetics
- Hilbert College Global | Natural Sciences & Math

Volunteer

- The Committee for Lifelong Learning (think FNCE® program planning)
- The CDR Appeals Panel (think PDP/CE extensions)



Blueprints for Brilliance: Today's LOs

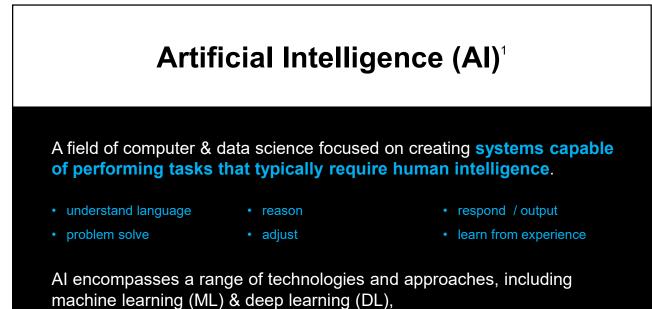
Utilize an AI tool in order to improve productivity & client satisfaction

Consider A.I.-enhanced teaching strategies & methods in order to engage targeted audiences & develop meaningful content

Discuss ethical implications of A.I. in order to plan for responsible Al integration & use

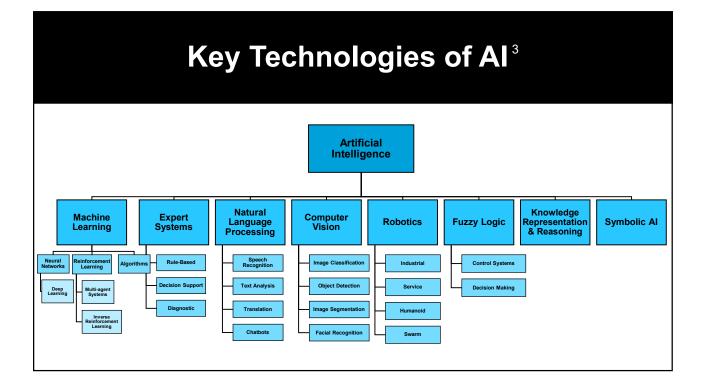
Recall curriculum considerations in order to help prepare future practitioners for an Al-included profession

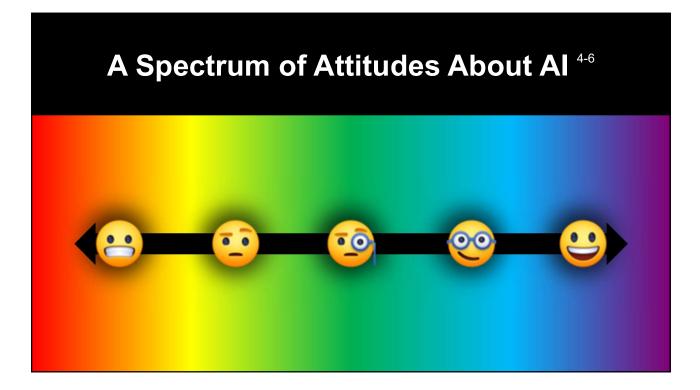
D	isclaimers
Today's speaker	experience vs expertise
101 info & application	some 101 practice apps, broad & specific
Now vs later	info relevance & applicability
Commercialism	product promotion , ChatGPT 3.5 & 4.0 use



natural language processing (NLP), computer vision, robotics & more.







10 Industries Impacted by A.I.^{38,39}



Service Automation & Personalization



Finance & ID Fraud Detection



Personalization & Supply Chain Opt.



Autonomous Vehicles & Traffic Flow Opt.



Predictive Maintenance & Quality Control



Content Automation & Personalization



Adaptive LMS & Auto Admin



Crop Health Monitoring & Precision Ag

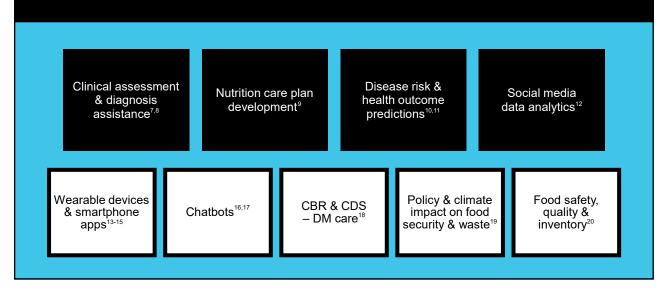


Enhanced Surveillance & Threat Detection



Diagnostic Accuracy & Patient Care

Applications in Food, Nutrition & Health/care







GPT Pro	Provide context This involves giving background information or down there distant preases or preference on metal blocks
<u>Task</u>	Supports Supports Supports Supports Supports Supports Supports Support Suppor
context	Specify the desired provide states or provide a task to degree by the output/segnome: you to take the output/segnome state has a language/none uses, format, and features, in conversational tone, formated as a fuelt group in your model. For example, you made a state of group in you model, and the feature is you model one of the features in the second state of the second
Inclusion	accurate priswer, and propulation, leading for recommendation of an end of the start of the star
respons	

Primary GPT Task Prompt Structure²²

- Role
- Context
- Inclusions
- Keywords

As a nutrition expert looking to attract more clients,

I need effective lead generation strategies for my nutrition business.

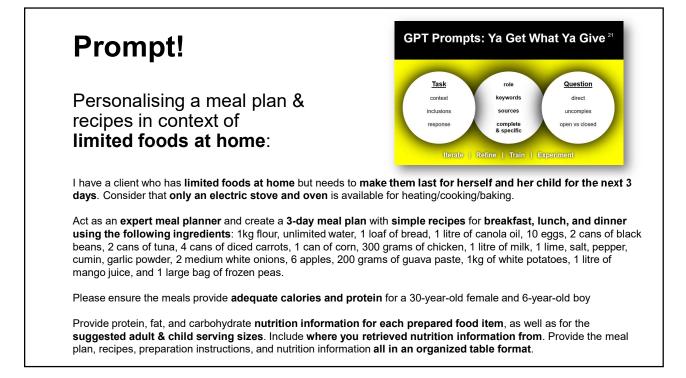
Provide a list of strategies and examples for social media marketing, networking, and creating engaging content. Focus on search engine optimization.

The language used in the marketing and promotional copy should be engaging and persuasive.

• Response



Time to Vote! Personalising a meal plan & provide recipes in context of: 1. Limited foods at home 2. Diabetes management



	Recipes and Preparation Instructions:
1.	Scrambled Eggs with Toast: Beat eggs with salt and pepper. Cook in a non-stick pan with a little
	oil until set. Serve with toasted bread.
2.	Tuna Salad with Bread: Mix canned tuna with diced onions, lime juice, salt, and pepper. Serve on bread.
З.	Black Bean and Carrot Soup: Blend canned black beans and canned carrots with water to
	desired consistency. Season with cumin, garlic powder, salt, and pepper. Heat until warm.
4.	Guava Paste on Toast: Spread guava paste on toasted bread.
5.	Chicken and Pea Stir-Fry: Dice chicken and cook in a pan with oil until browned. Add frozen peas
	diced onions, and season with salt and pepper. Cook until peas are heated through.
6.	Potato and Onion Bake: Slice potatoes and onions thinly. Layer in a baking dish, drizzle with oil,
	and season with salt and pepper. Bake at 200°C until potatoes are tender.
7.	Milk and Apple Porridge: Dice apple and cook in a pot with milk until soft. Serve warm.
8.	Tuna and Carrot Patties: Mash canned tuna and canned carrots together. Form into patties and
	fry in a pan with oil until golden on both sides.
9.	Black Bean and Corn Salad: Mix canned black beans, canned corn, diced onions, lime juice, salt

GPT Prompts: Ya Get What Ya Give 24 **Prompt!** Task Question role Personalising a meal plan, recipes, context keywords direct inclusions sources uncomplex & grocery list in context of open vs close response complete & specific diabetes management: Iterate | Refine | Train | Experiment As a nutrition expert specializing in diabetes management, create a 5-day meal plan for a single adult male with type 2 diabetes, focusing on providing consistent protein and carbohydrate intake throughout all 3 meals and 2 snack periods each day. The individual is lactose intolerant and does not eat seafood. The target protein intake is 25g per meal and 10g per snack, and the target carbohydrate intake is 60g per meal and 30g per snack. For each day, provide: Breakfast, Lunch, Dinner, and Two Snack Options. Include simple recipes for each meal and snack. Include preparation instructions and nutrition information for each prepared food item and suggested adult serving sizes, including protein, fat, and carbohydrate content for each serving. Provide a Grocery Shopping List with needed items organized by store sections (produce, meat, bakery, frozen, canned & boxed foods). Please ensure that the meal plan is balanced, varied & suitable for managing diabetes. Use reliable sources for nutrition information & cite them accordingly. Provide the meal plan, serving sizes, and nutrition information in one table, the recipes in another table, and the grocery list in a third table. Exclude any ingredients or products that contain lactose & seafood.

Section	Items
Produce	Spinach, mixed greens, broccoli, apples, bananas, avocados, asparagus, carrots, mixed vegetables, sweet potatoes, green beans, oranges, berries, cherry tomatoes, romaine lettuce
Meat	Chicken breast, beef, pork chop, turkey breast, ground turkey, salmon fillet
Bakery	Whole wheat bread, whole wheat tortillas, whole wheat croutons, rice cakes
Dairy	Lactose-free Greek yogurt, lactose-free cottage cheese
Pantry	Almond butter, balsamic vinaigrette, soy sauce, garlic, brown rice, quinoa, hummus, peanut butter, whole wheat pasta, tomato sauce, granola, protein powder, honey, almonds, dried apricots, whole wheat pasta
Canned & Boxed Foods	Lentils, broth, canned pineapple chunks
Frozen	Edamame

Communications, Marketing & Education

- Recipe & grocery list development
- Resume development
- Campaign, program & topic planning
- Copy, script, image & video generation & personalization
- Considerations: Response quality (accuracy, misinterpretation & bias), Intellectual property (IP)

Copywriting Samples for Social Media Posts

Post 1:

"Is your child ready for the college dining hall challenge? Our Nourished College Life Program equips them with the skills to make healthier choices. Enroil now for a stress-free start to college life! #CollegeNutrition #HealthyCollegeLife"

Post 2:

"Dorm room cooking made easy! Our program teaches simple, nutritious recipes that fit perfectly into a busy college schedule. Give your child the gift of health this semester. #DormRoomCooking #StudentWellness"

Post 3:

"Concerned about your college student's food budget? Our program covers smart shopping tips and meal planning to stretch those dollars further. Enroll today for peace of mind! #BudgetFriendlyMeals #CollegeLife"

Video Content Ideas:

Video 1: Introduction to the Program

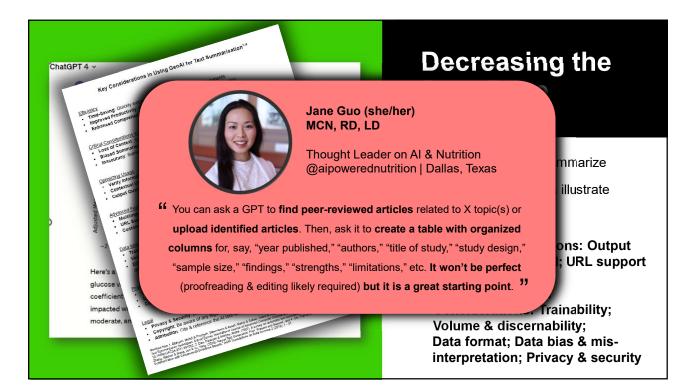
A short overview of the program, highlighting its key features and benefits.
 Include testimonials from past participants or endorsements from educators.

Video 2: Sample Cooking Demonstration

Showcase a simple, healthy recipe that can be prepared in a dorm room setting. Highlight the ease of preparation and the nutritional benefits.

Video 3: Tips for Navigating Campus Dining

Provide tips on making healthier choices in the college dining hall
 Include visual examples of balanced meals and portion control.



AI & Intellectual Property²³

CITING YOUR AI GENERATED CONTENT²⁴

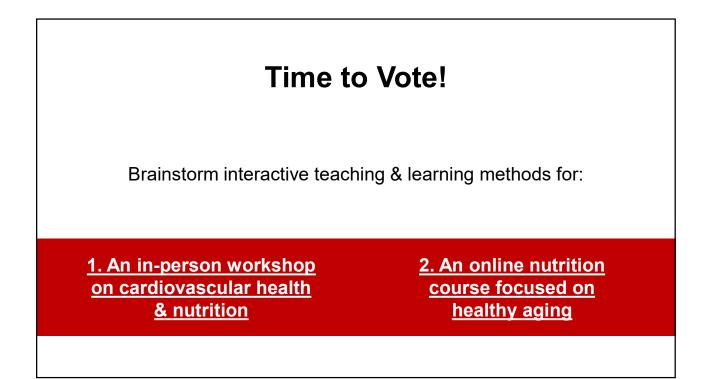
Format (MLA): "Description of chat" prompt. *Name of AI tool,* version of AI tool, Company, Date of chat, URL.

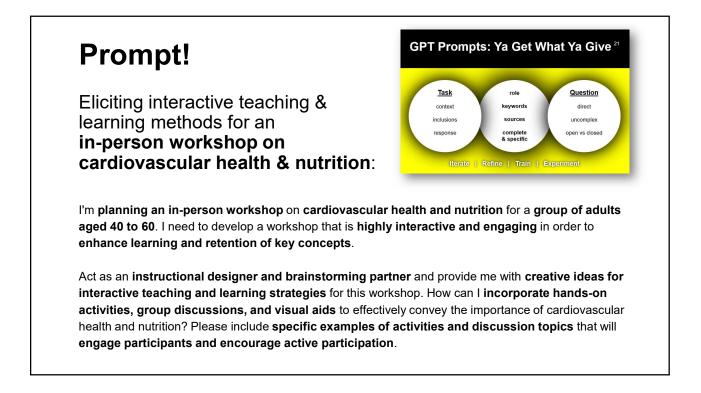
Example: "Examples of harm reduction initiatives" prompt. *ChatGPT*, 4.0, OpenAI, 4 Mar. 2023, chat.openai.com/chat.

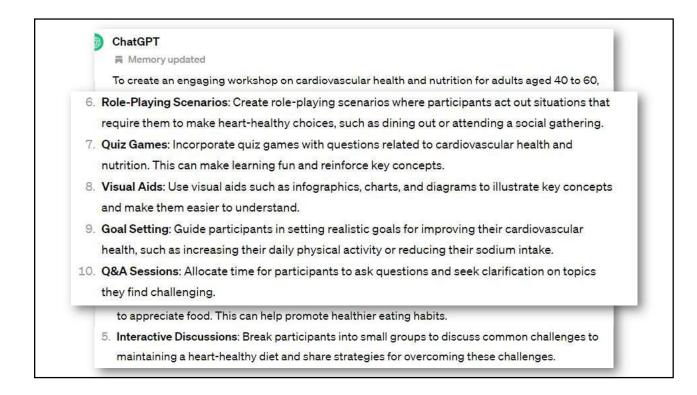
> In-Text Citation Example: ("Examples of harm reduction")

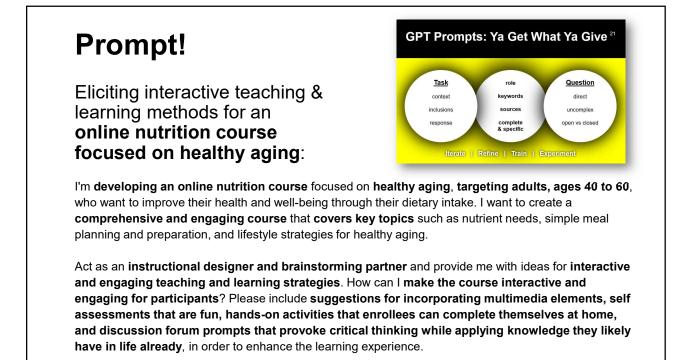
• Currently (Mar 24), Al-generated content is not eligible for U.S. copyright protection.

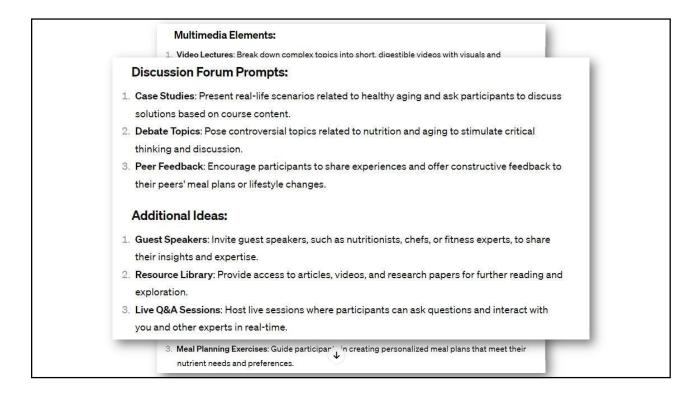




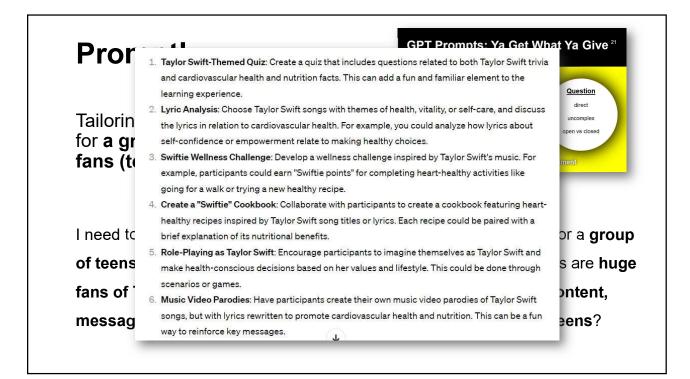




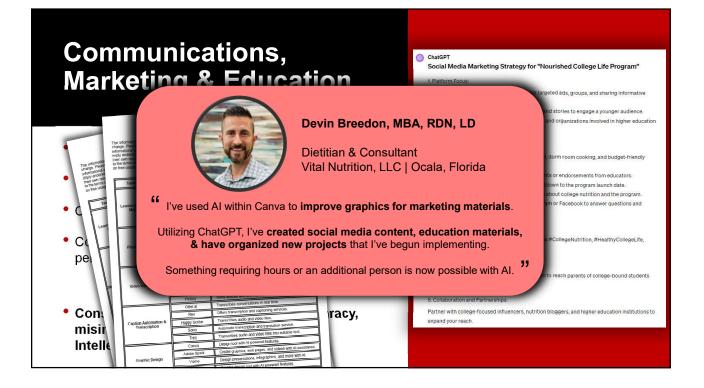


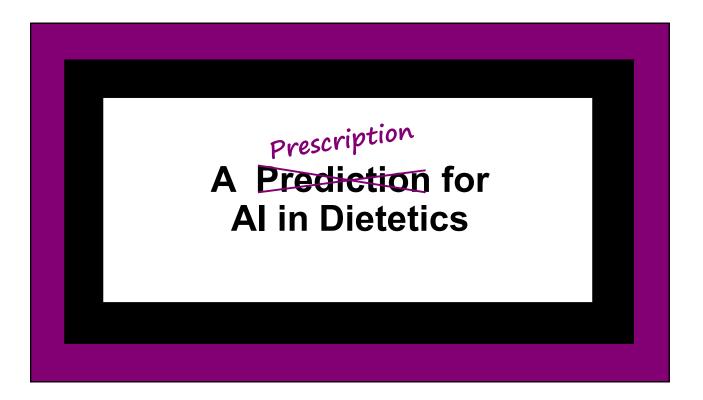


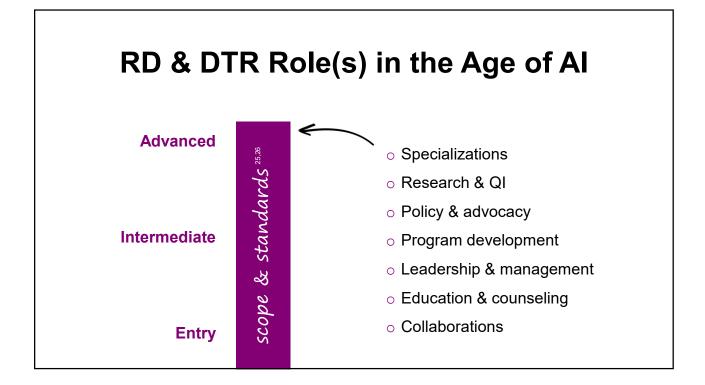


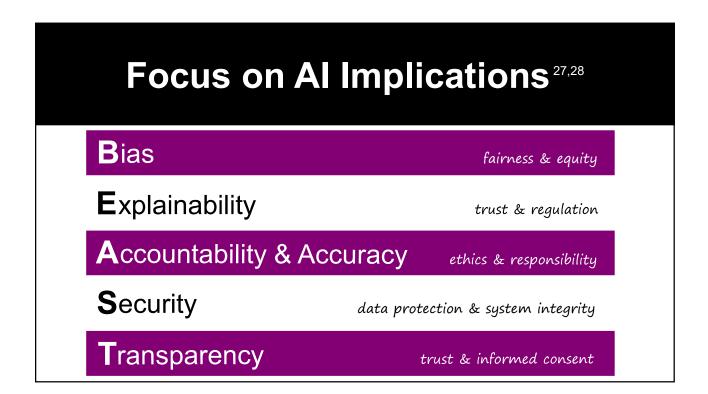


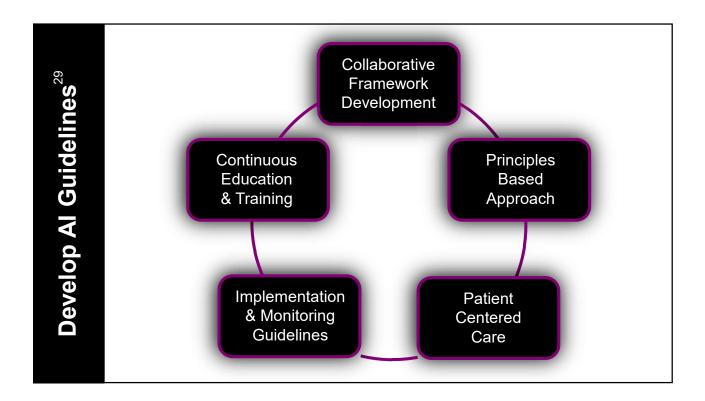
Pro	1. Respectful Messaging: Acknowledge and respect the individual's beliefs in fatalism without	Ya Give ²¹
	dismissing or contradicting them. Use language that is non-judgmental and empathetic.	_
	2. Focus on Empowerment: Emphasize actions that individuals can take to improve their health	
	within their belief system. Highlight the importance of small, manageable steps that can make a	Question direct
Tailorir	difference.	uncomplex
_	3. Storytelling: Share stories or testimonials from individuals with similar beliefs who have taken	open vs closed
for a g	control of their health and made positive changes. This can help inspire and motivate others.	
in fata	4. Interactive Discussions: Encourage open and respectful discussions about fatalism and its	nent
	impact on health behaviors. Provide a safe space for individuals to express their thoughts and	
	feelings.	
	5. Incorporate Cultural Elements: If relevant, incorporate cultural beliefs and practices into the	
I need to	educational materials. This can help make the information more relatable and meaningful to the audience.	or a
nutrition	 Use of Analogies: Use analogies or metaphors that resonate with fatalistic beliefs to explain 	n. How
	health concepts. For example, comparing the body to a machine that requires regular	11. 110 W
can I cr	maintenance.	ile
encour	7. Highlighting Benefits: Emphasize the benefits of healthy behaviors in a way that aligns with	
mooun	fatalistic beliefs. For example, how eating nutritious foods can improve energy levels and overall	
	well-being.	



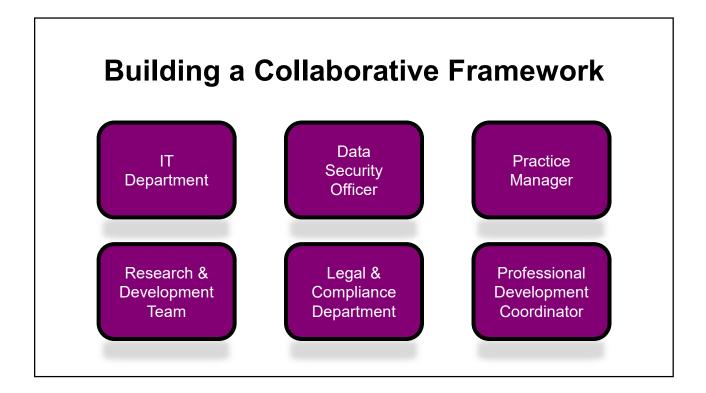






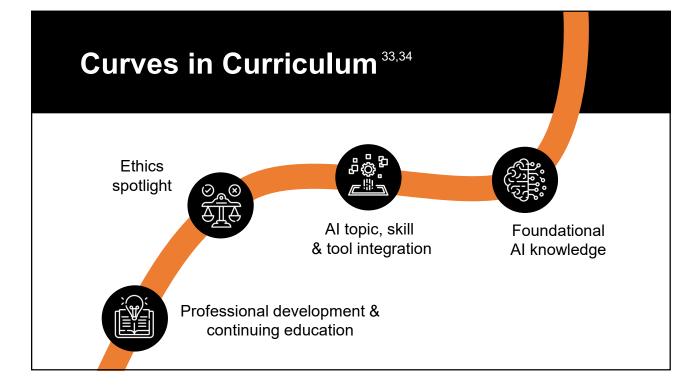








Helping Prepare Future Practitioners for an Al-included Profession



Leveraging AI in Higher Education³⁵⁻³⁷

LMS Data Analytics

At-risk students | Personalized learning paths | Content enhancement



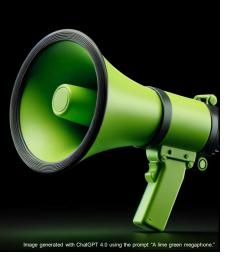
Naheed Ali-Sayeed PhD, RD, CDN, FAND (she/her)

Program Director, Nutrition & Dietetics D'Youville University | Buffalo, NY

⁶⁶ I help guide students in using [GenAl] to support their learning.
 I've used it to develop class outlines, lecture notes, and even assignments.
 We're piloting a chatbase to answer student questions about course content.
 Generative Al is all about the quality of your prompts. ⁹⁹

Communicate AI Limitations & Implications

- "GPT Prompts: Ya Get What Ya Give"
- Known to produce inaccurate, outdated, biased output
- Lack of highly personalized and intricate psychological & emotional support in context of health care
- Expert validation, collaboration & systems are needed during implementation & use
- Potential impact on critical thinking



@askyourdigitalagency (IG) Hamna Aslam Kahn (in) Dirk Zee (in) Zain Kahn (in) ChatGPT Ideas, Tips & Tricks (Fb Group)

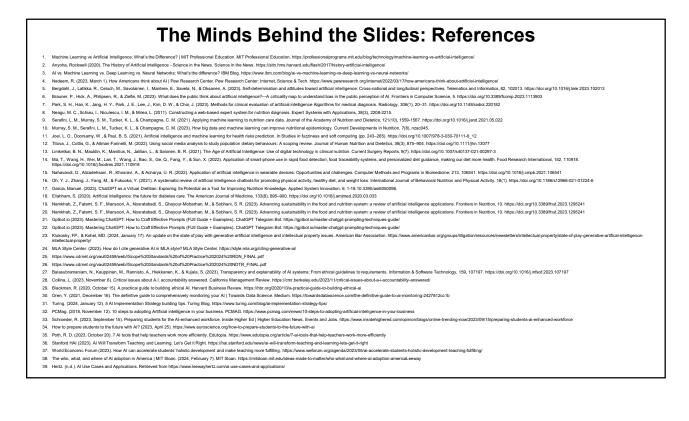
@aipowerednutrition (TT)

Questions?

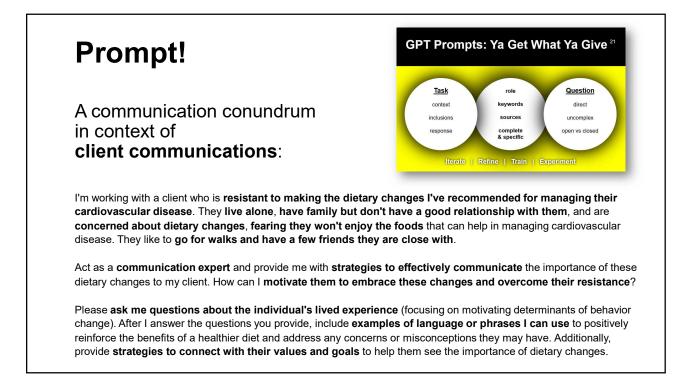


in Drew Hemler

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Prompt!

A communication conundrum in context of **professional collaborations**:



I'm collaborating with a healthcare professional from another discipline who consistently oversteps professional boundaries when it comes to providing dietary advice to our shared patients. This has led to confusion and conflicting recommendations for our patients.

Act as a **communication expert** and provide me with **strategies to address this issue** with my colleague. **How can I assert my role as the dietitian and communicate the importance of respecting professional boundaries without causing tension or conflict?** Please include **examples of language or phrases I can use** to assert my expertise and reinforce the need for clear communication and collaboration.