



Empowering

Ministry

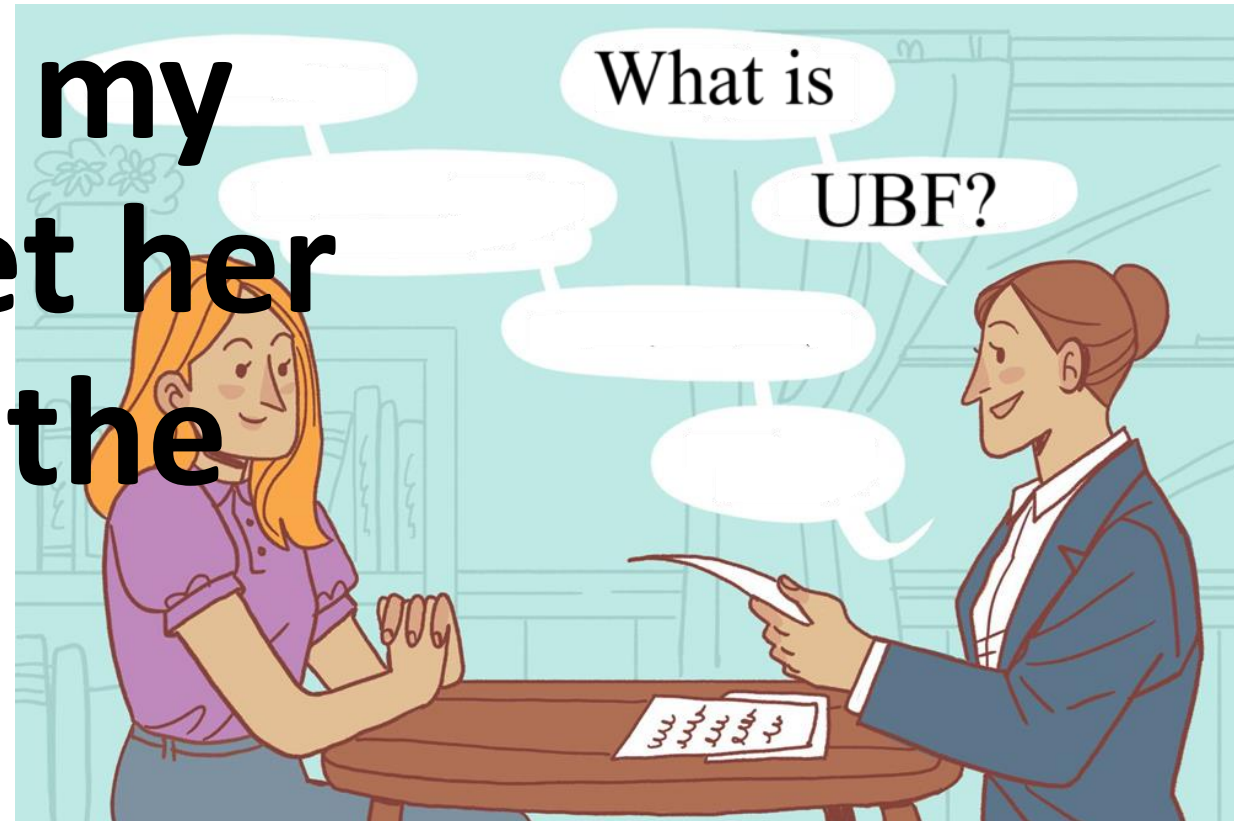
with **AI**

Paul Kim

Mar. 22, 2025

Using AI

- What if someone asks you, “What is University Bible Fellowship”?
- That happened to my wife when she met her D.Min advisor for the first time.



Using AI (II)

• Fortunately AI-based search brings

- Origin
- Mission Statement**
- UBF North America Local Chapter Guidelines
- By-laws of UBF
- Endorsements
- Statement of Faith
- Summary of Work
- UBF Brochure
- General Director's Section



ASH ONLINE FORUM 2025

PAUL KIM (USA) **ABRAHAM BAE (USA)** **PAUL HONG (USA)** **RON WARD (GD, USA)**

ASH ONLINE FORUM) "Empowering Ministry with AI (Artificial Practical Applications to Enhance Bible Study, Discipleship,

What is AI?

- AI: Artificial Intelligence → the simulation of human intelligence in machines



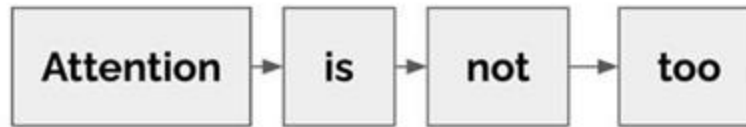
- Computer systems or software that can perform tasks that typically require human intelligence, such as learning, reasoning, problem-solving, language understanding, and decision-making

What is Generative AI? (I)

- ChatGPT: **G** : Generative
P : Pretrained
T : Transformer

- Computer Science
+ Data Science
+ Discrete Math
+ Statistics
+ Super Computer
(CPU, GPU, Memory,
Parallel Programming)

GPT unsupervised objective:
predict the next word



```
def gpt_loss(preds, targets):  
    """  
    B = batch size, T = seq length, C = token classes  
    preds are logits with shape (B, T, C)  
    targets are token classes with shape (B, T)  
    """  
    preds = preds.view(B*T,C)  
    targets = targets.view(B*T)  
    return F.cross_entropy(preds, targets)
```

hard

likely next
word

shabby

⋮

road

unlikely
next word

cat

(Based on Frequent Pattern Rules)

What is Generative AI? (II)

- Generates New Data and Content
- Produces Images, Audio, Text, Music, and Video
- Transforms Traditional Work with Interactive Tasks



Features	Traditional	Generative
Learning	Labeled Data (Supervised Learning)	Unlabeled Large-scale Data (Unsupervised Learning)
Tasks	Specialized Tasks (Classification, Recognition, Recommendation, etc.)	Various Tasks (Text generation, image creation, music composition, etc.)
Creativity	Limited (Based on Training Data)	High (Generates New Ideas, Creative Texts)

AI Uses in Schools

- In schools, AIs increase engagement with students by offloading tasks
 - Creating rubrics, drafting syllabi, generating test questions, creating course outlines, and coming up with assignment ideas.
- AIs allow us to spend more time answering student questions, creating an interactive learning environment, and focusing on individual student needs.
- Considerations:
 - Hallucinations
 - Student privacy
 - Bias and copyright infringement
 - Ethics

Hallucinations



- Basically, they are lies.
- → Generating false, misleading, or made-up information that sounds plausible or confident, but isn't actually true or grounded in real data
- e.g., → The capital of Canada is Toronto!
 - Reference 1 “The Influence of AI toward Gen. Z,” AI Journal, Issue 5, Mar., Kim, Paul et. al. (Making up academic papers or authors that don't exist.)
- Why do hallucinations happen? → It is because AI **predicts** (the next word based on patterns in training data)

When You Use AI ...

1. **Talk to the AI like you would talk to a person**
2. **Narrow down your topic(s)**
3. **Use action words (Describe, Analyze, ..)**
4. **Provide context for the AI**
5. **Define what output you want (Tone, Length, Format..)**
6. **Interact with the AI**

ChatGPT ▾

What can I help with?

Ask anything



Search

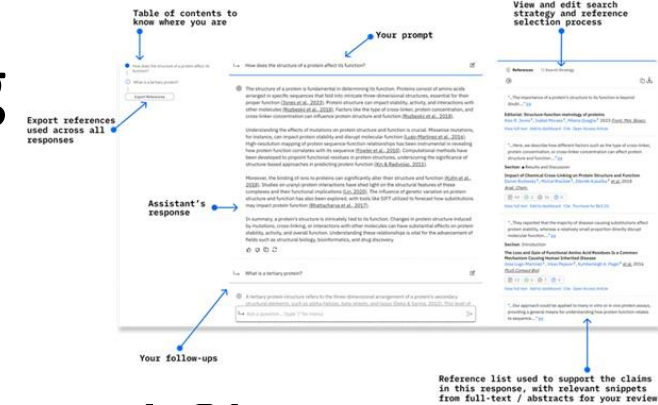


Reason



How to Use AI for Ministry? (I)

- AI helping good manuscript (finding references and resources)
- AI being our secretary (AI generated tools: meeting notes, summaries, bullet points)
- PPT Slides help (goes together with the message)
- Doing research for our purposes (reconciliation research?)
- Trying to know various aspects and backgrounds of the Bible (OT)
- The known knowledge checking (accuracy check)
- Certain topics to be explored (controversial ones)
- Translation or going to the original language (to deepen the message)



How to Use AI for Ministry? (II)

- Church Administration (drafting mass emails for the leaders)
- Church management (budget comparison and prediction)
- Church Data Collection and Analysis (age-based, gender-based, interest-based, etc.)
- Local Church Connections with the Hub Chapters (clustering)
- Possible Creation of “Our Own AI website” (based on Bylaws and regulations of the Hub chapters)
- Helping House Churches to be Integrated (possibly having seminars for educating AI technology and more to elder missionaries)

Ex.) Ministry Support (I)

- 1) Content editing
- 2) Organizing Event
- 3) Social media manage.
- 4) Legal support
- 5) Financial planning
- 6) Problem-solving

Who we are?



University Bible Fellowship (UBF) is an international evangelical church (non-denominational) dedicated

What we do?



We reach college students and help them grow as his lifelong disciples and obey our Lord's commands to



UBF Daily Bread App

Let's Have Daily Bread Faithfully On Your Smartphones



Ex.) Historical Context

JO

Tell me the historical context surrounding the story of David and Goliath

T

The story of David and Goliath is found in the 1st Book of Samuel in the Old Testament of the Bible, specifically in 1 Samuel 17. The historical context of the story is in the early monarchy of ancient Israel, likely around the 10th to 11th century BCE.

Here are some key historical contexts during that time:

1. **Monarchy:** The Israelites had recently transitioned from a loosely organized confederation of tribes to a monarchy. King Saul was the first king of Israel and the story takes place during his reign. The transition to monarchy was not smooth, and this period was fraught with internal conflicts and external threats.
2. **Philistine Threat:** The Philistines, an ancient people who lived along the southern coast of

Ex.) Ministry Support (II): Videos Creation

— 1) UBF YouTube and TikTok Video Automation

2) Short Video Creation Using AI Tools

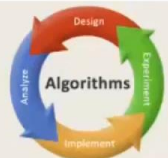
3) Chapter Website Template

4) Daily Bread App

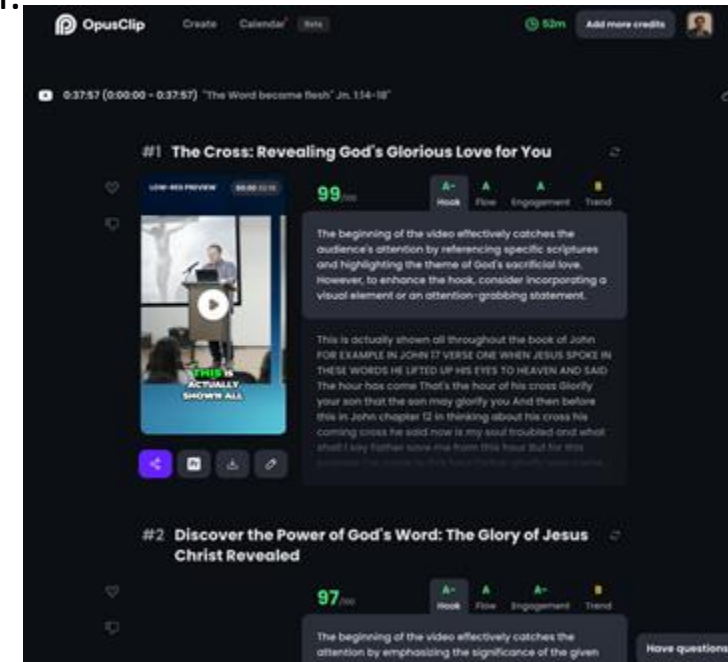
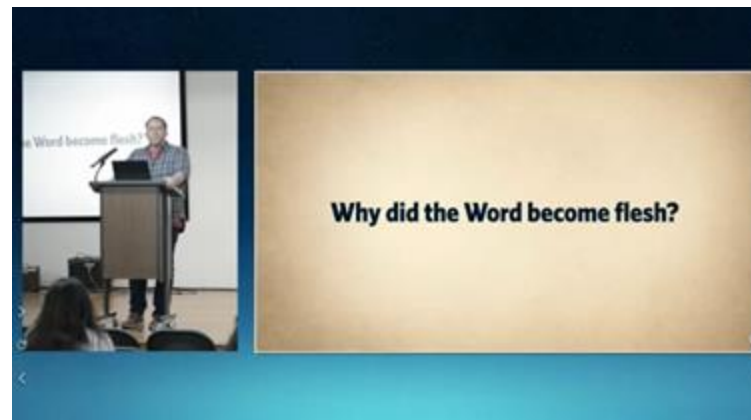
“Opus.pro” turns long videos into high-quality viral clips for you to share on TikTok, YouTube Shorts, and Reels to increase social media outreach.

UNIVERSITY
CPSC 31500 Scientific Computing

Measuring Errors

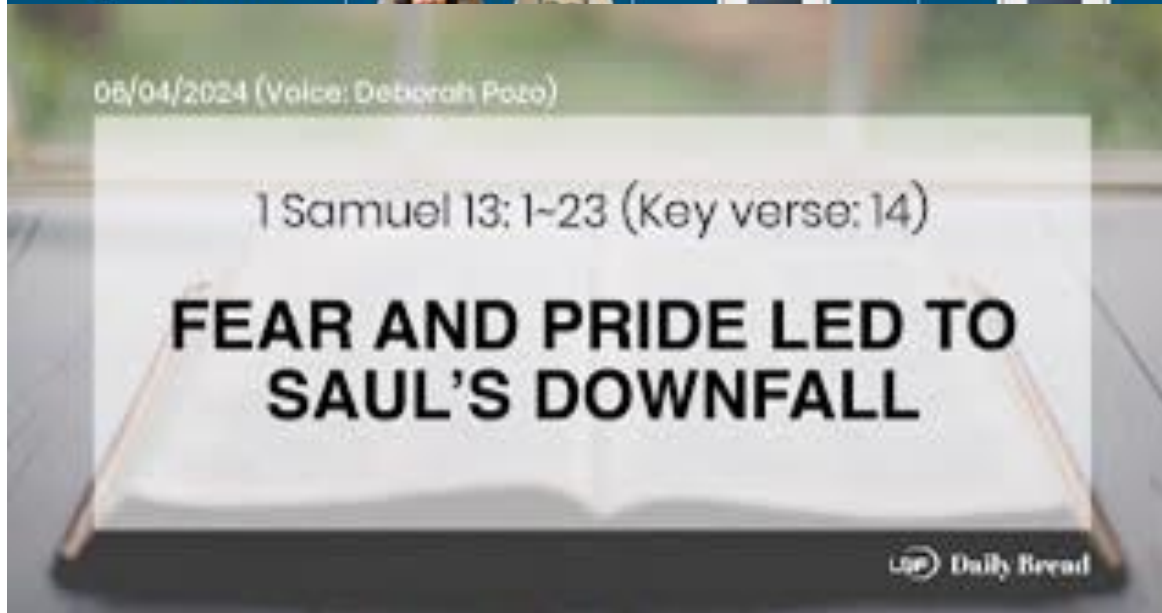


Young J “Paul” Kim
Dept. of Computer Science



UBF Daily Bread YouTube & TikTok Videos

Content → Recording → mp4 File → Upload to **You**Tube



Creating News Videos Automatically

UBF Voice Recorder

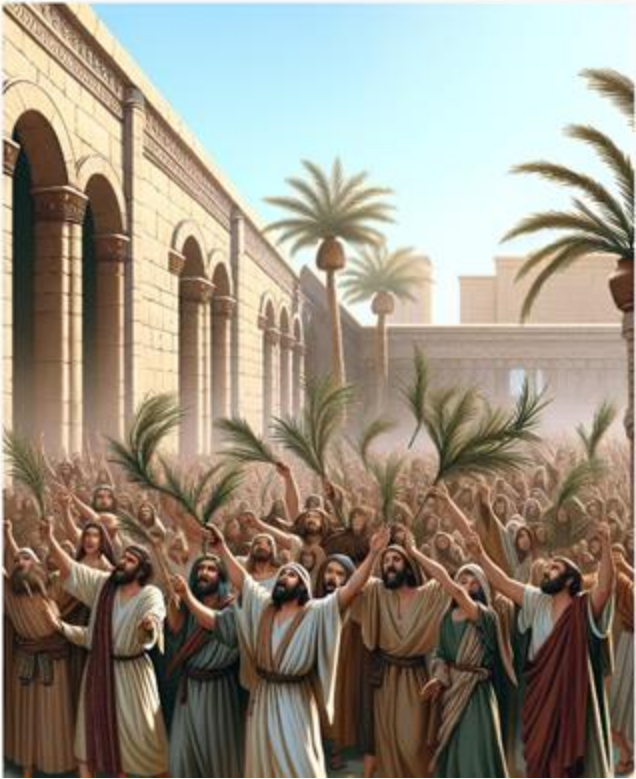
HOME ACCOUNT

REGENERATE SLIDES

Slide 1 ✓

Slide Visual

Image AI Image Video



Slide Audio

Audio Record AI Narration

Text

In today's Daily Bread, we learn about the great crowd that gathered to welcome Jesus as he entered Jerusalem.

0:00 / 0:07

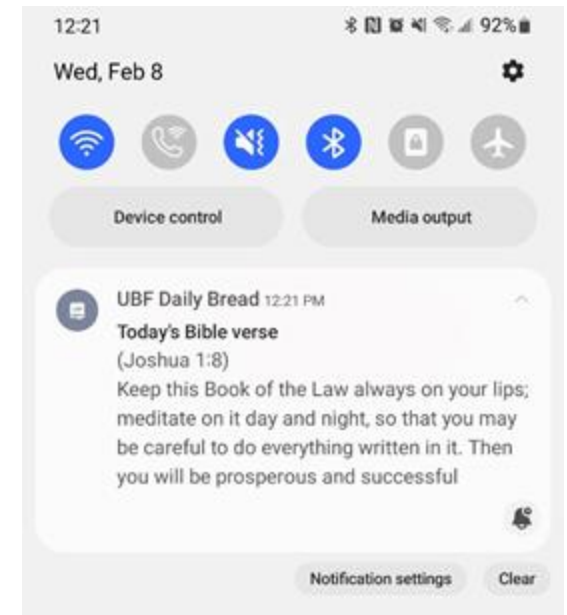
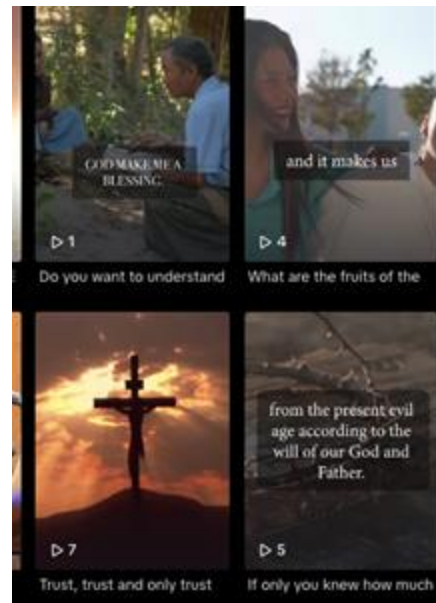
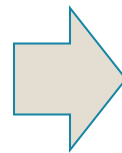
Choose File No file chosen

UPLOAD

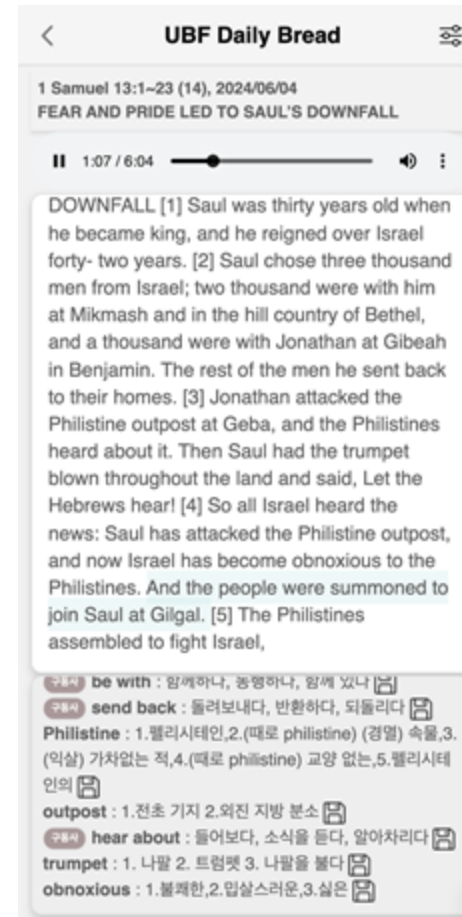
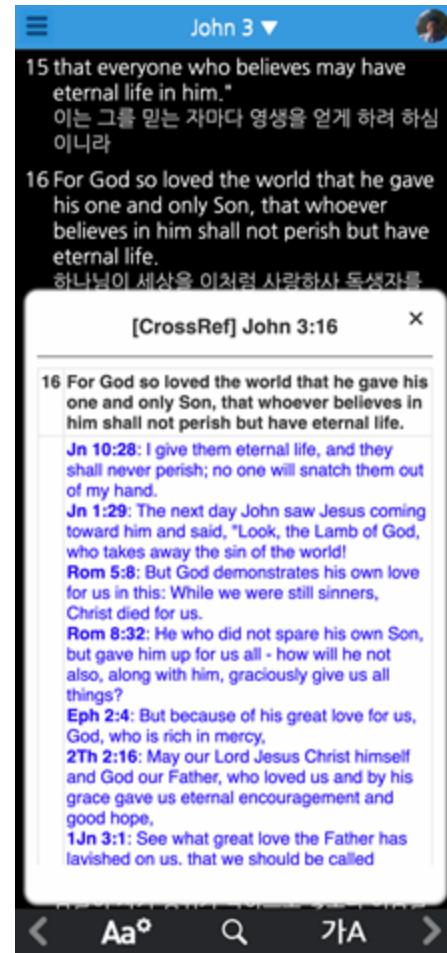
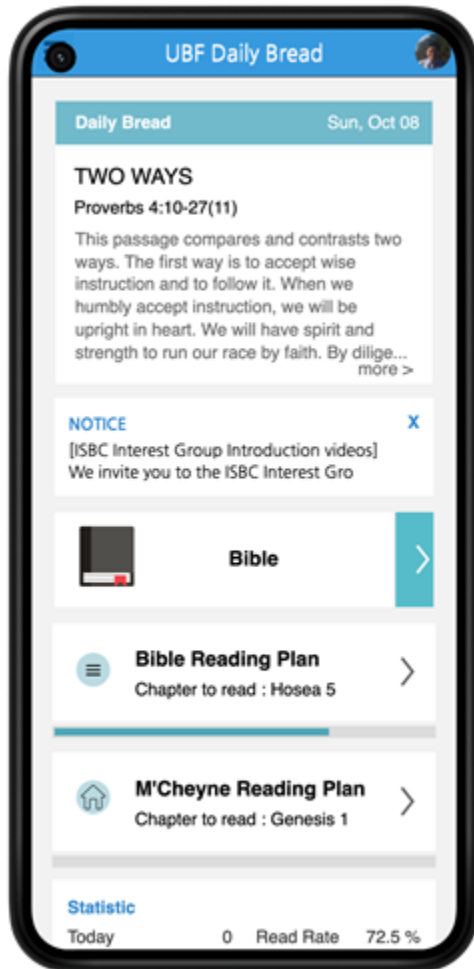


Chapter Website Template Creation

Sunday Message short video automatic creation system using AI



UBF Daily Bread App.: Planned AI Features



AI-generated Bible study materials

Daily Bread, automatic Bible reading, and AI-generated language learning materials.

Q & A

-
- **More works to do!**
 - **What can we do better?**