

Rotary



Rotary Club of Augusta

# November 4, 2024 Club Assembly



THE MAGIC  
OF ROTARY

NOVEMBER IS



## ROTARY FOUNDATION MONTH

EVERY  
ROTARIAN  
EVERY  
YEAR

*"Clean water, the essence of life and a birthright for everyone, must become available to all people now"*  
Jean-Michel Cousteau

BECAUSE WE CARE  
MAKE A CONTRIBUTION, BE THE DIFFERENCE

Rotary



TAKE ACTION: [rotary.org/contribute](http://rotary.org/contribute)

The image features a large American flag waving on a silver pole against a bright blue sky with scattered white clouds. The flag is the central focus, with its stars and stripes clearly visible. The text is overlaid on the right side of the image.

# PLEDGE AND INVOCATION

Presented: by Eric Montgomery

# THE SUNSHINE REPORT

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Presented by:  
**Gould Hagler**



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## *Member Anniversaries: Celebrating Years as a Rotarian*

Robert Osborne

27 years

Phil Wall

17 years

Presented By :  
Stacy Johnson

# VISITORS AND GUESTS

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WELCOME!  
THANKS FOR JOINING US!



**Rotary**



Rotary Club of Augusta



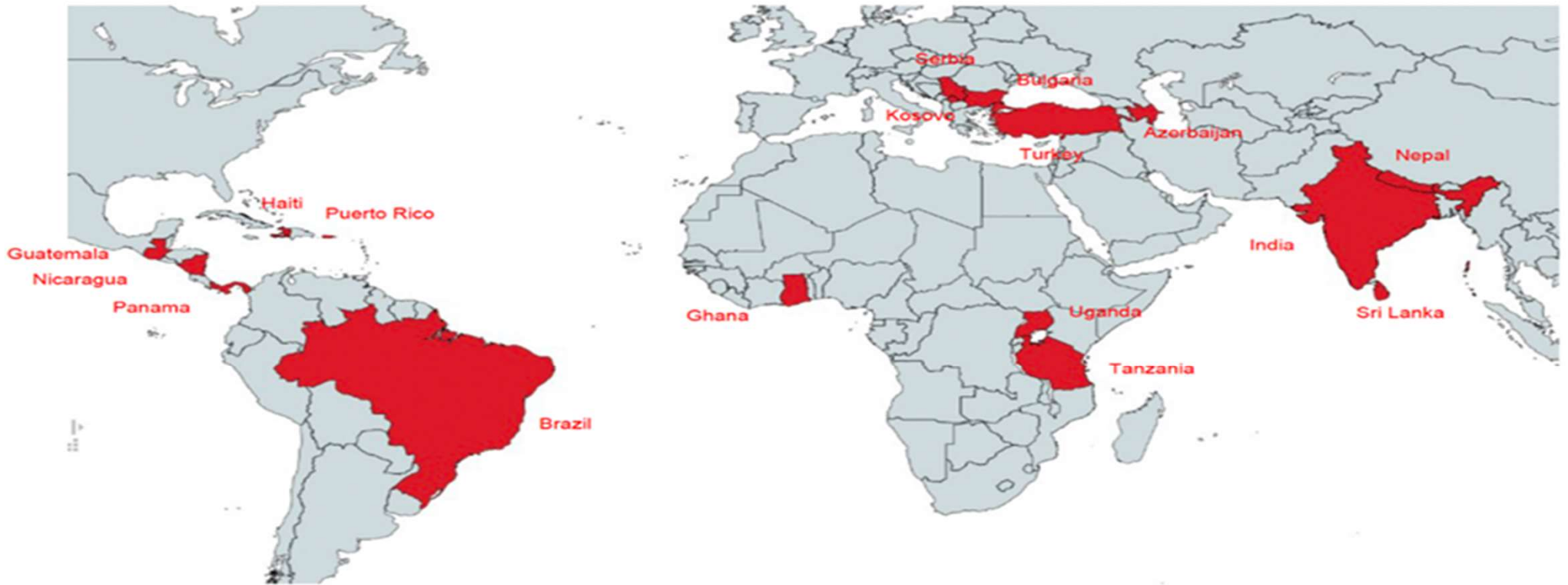
# Rotary



Rotary Club of Augusta



## Host Sponsors Partnering with District 6920 Global Grants



**Rotary**

Rotary Club of Augusta



## Program Speaker

**Glenn Fink**

**Director of Cyber Strategy**

**Savannah River National Laboratory**





We put science to work.™

# What is AI?

And what does it mean for me?

Glenn A. Fink, PhD, CISSP



Managed and operated by Battelle Savannah River Alliance, LLC for the U. S. Department of Energy.



**Artificial Intelligence –**  
any technology that can:  
Sense, learn, reason, and adapt

Some  
computer  
vision

Symbolic  
planners

Expert  
Systems

Control  
systems

**Machine learning can:**  
Classify, predict, discover patterns

Boosting

Support vector  
machines

Others...

Decision  
Trees

Naïve Bayes

Neural networks can **represent, learn,**  
and **transform** complex patterns in data  
using **distributed, hierarchical, and non-**  
**linear** representations.

Linear  
regression

Etc...

(Multilayer)  
Perceptrons

Self-  
organizing  
maps

Deep Neural Networks (DNNs): can **discover**  
**abstract features, and model complex**  
**relationships** using **large amounts of data.**

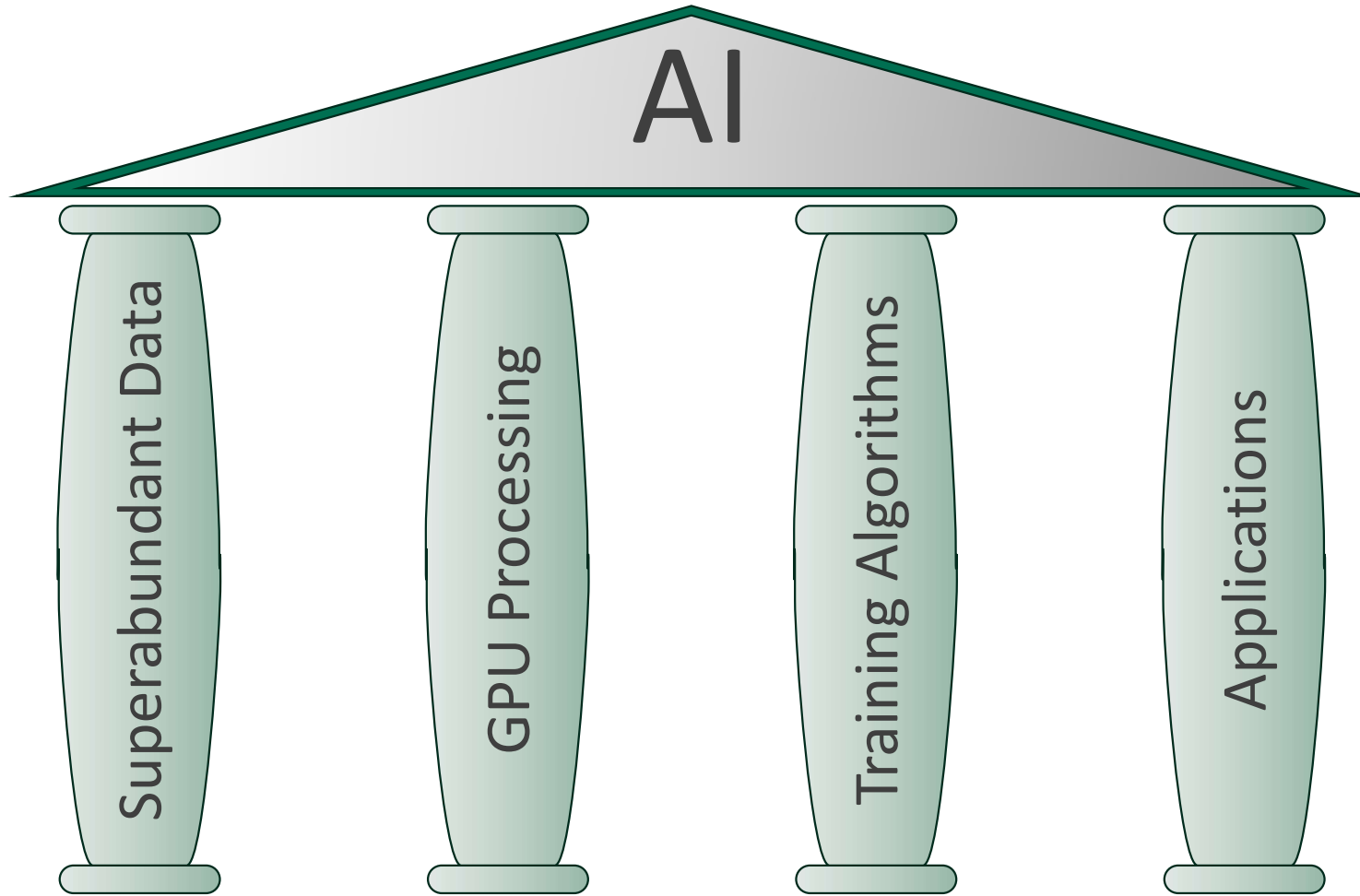
Etc...

Large Language Models

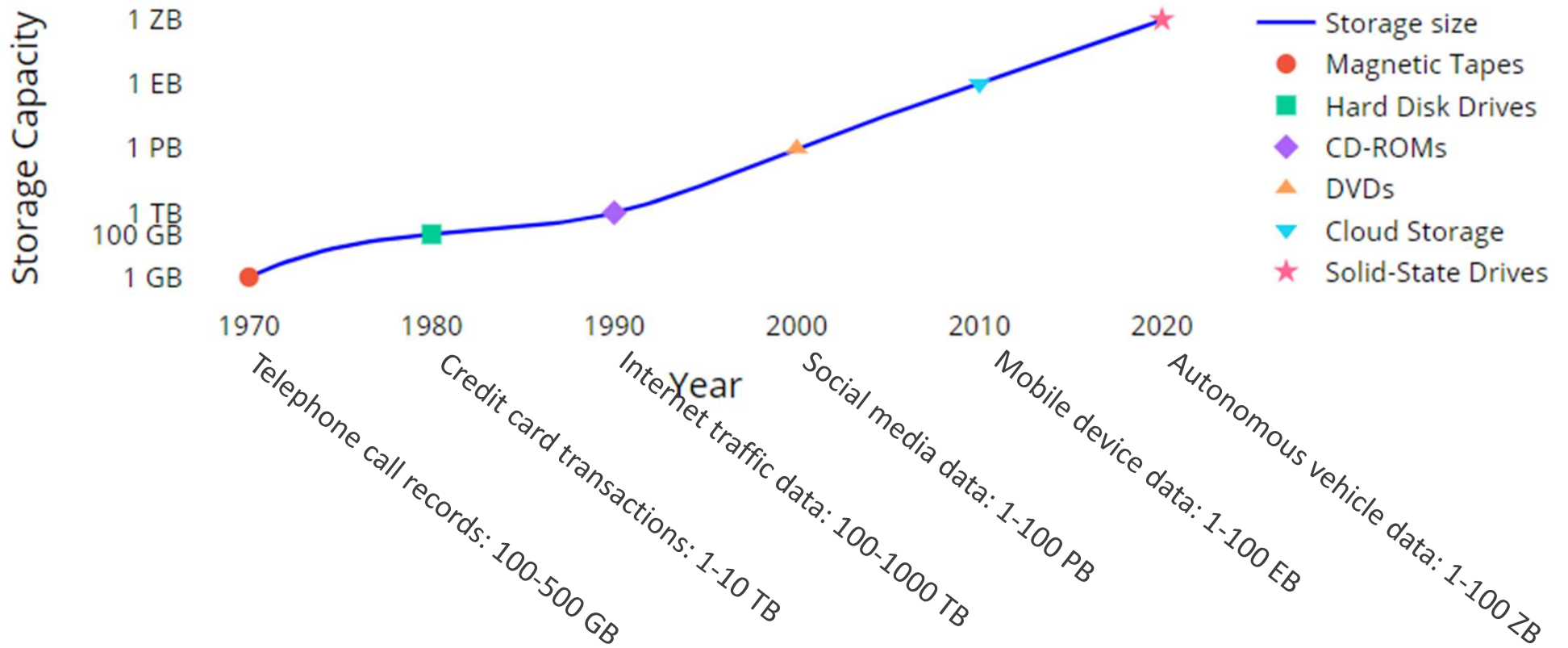
GPTs

ChatGPT



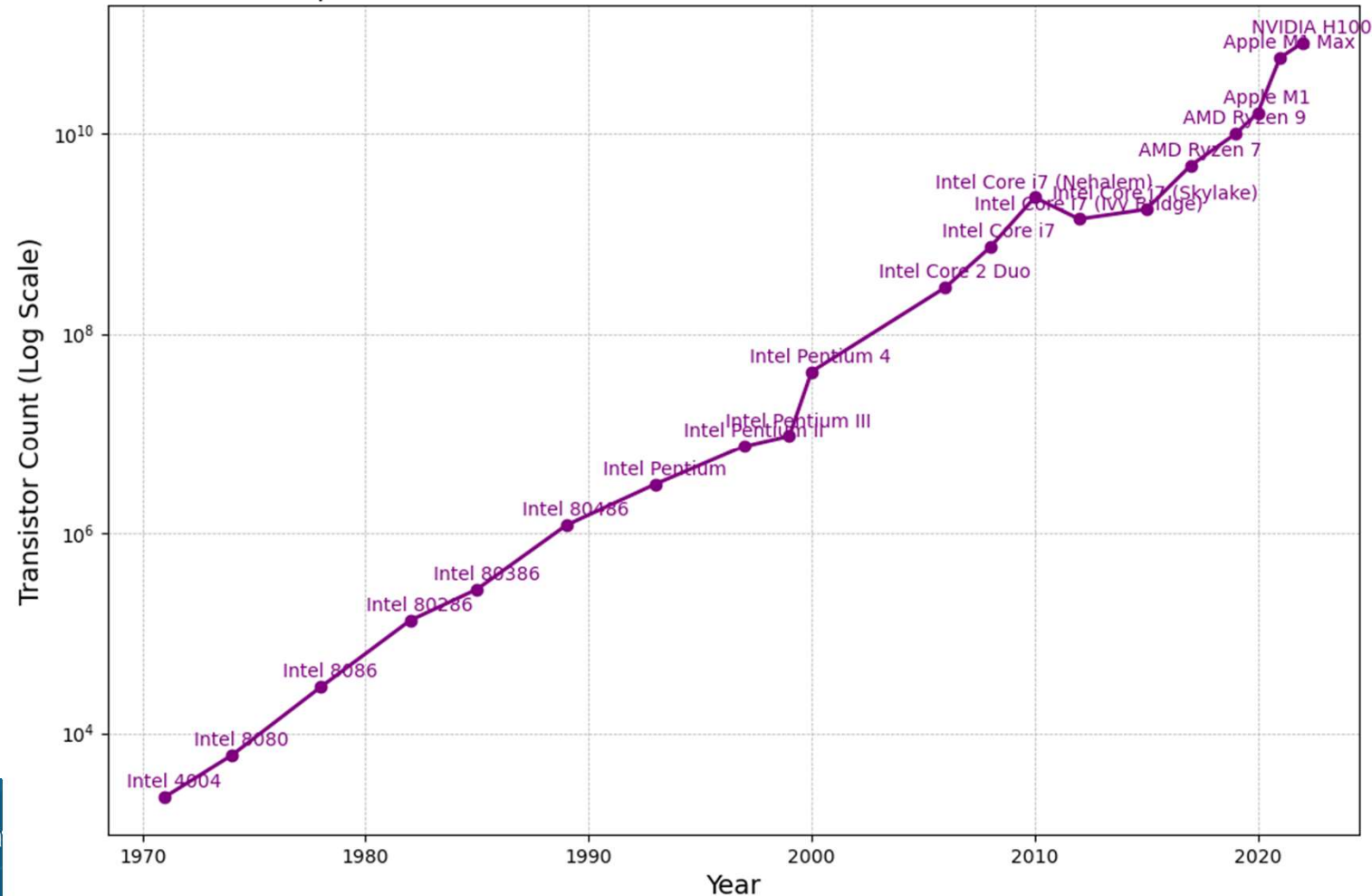


# Growth of Big Data over the Years



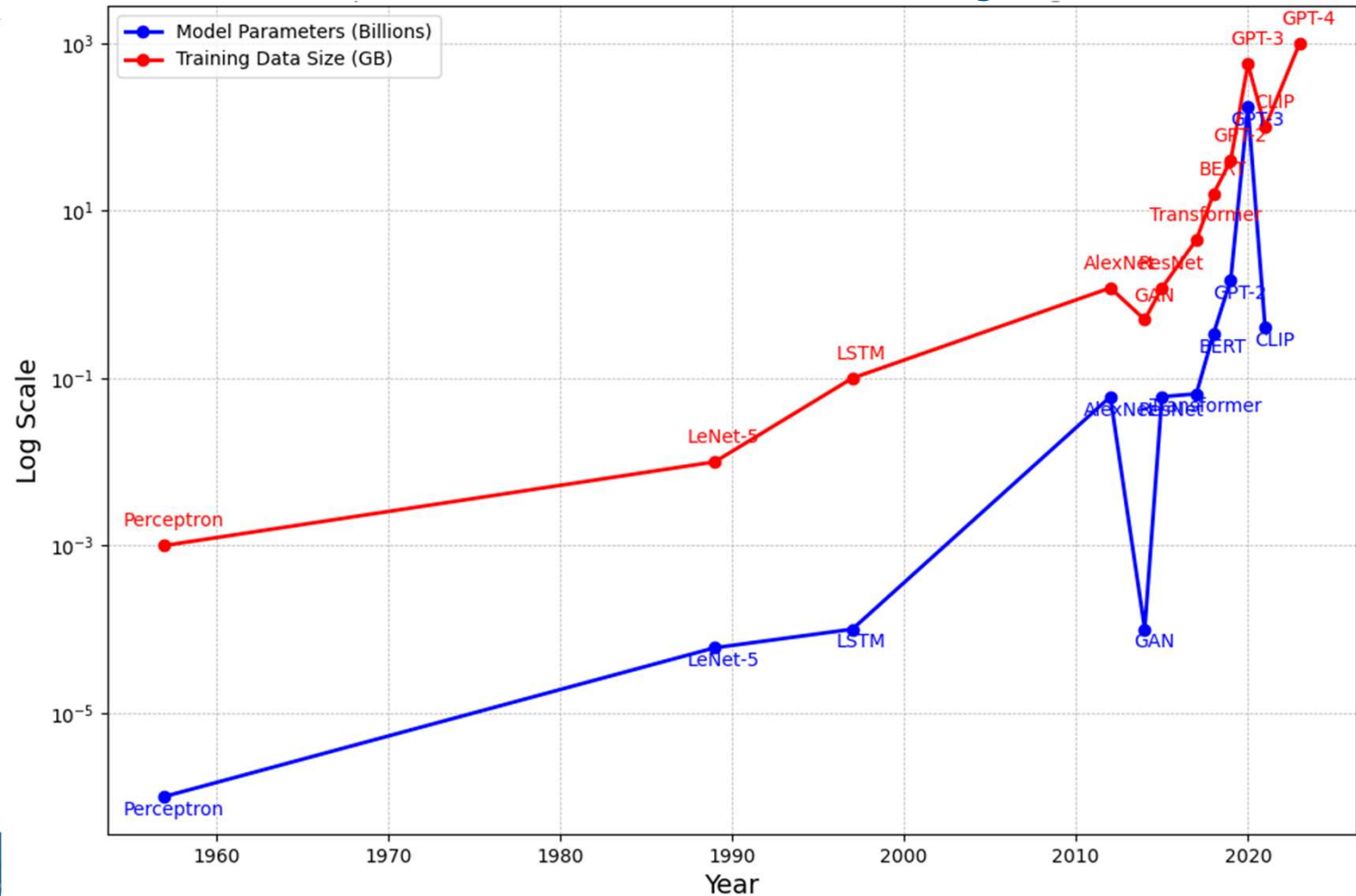
# Exponential Growth of Processor Transistor Count Over Time

- Since the 1970's processor size and speed have followed Moore's Law, doubling about every two years
- Note the plot's logarithmic scale



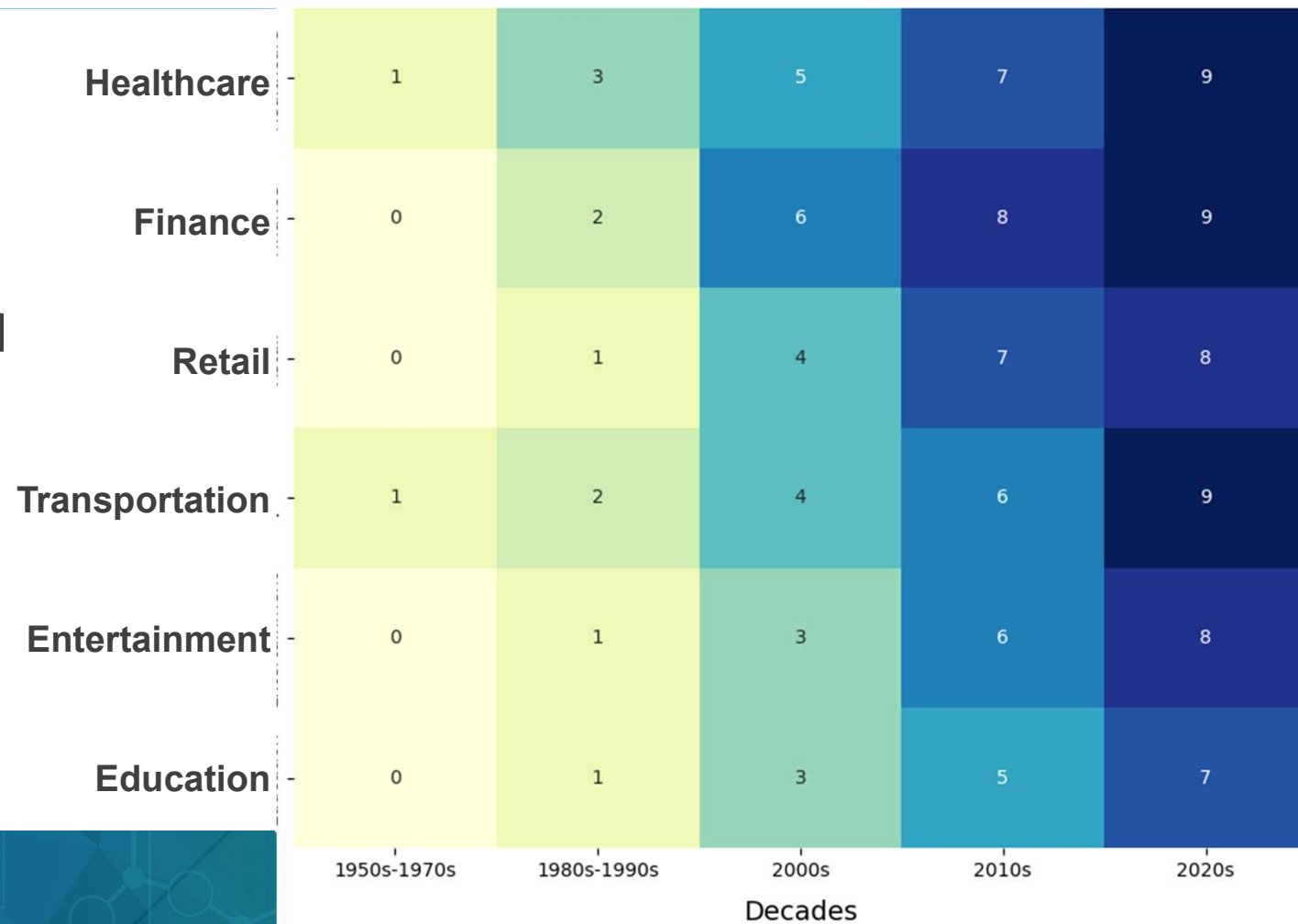
# Exponential Growth of AI Model Sizes and Training Data

- Both models and data have grown exponentially
- Note the “AI winter” of the 70’s and 80’s
- GPT-4’s size and training data set has never been disclosed



# Evolution of AI Applications Across Sectors Over Time

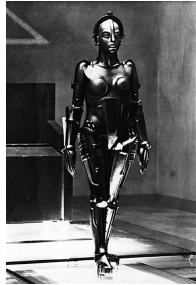
- AI has garnered significant attention from every sector in recent decades
- No sector is untouched by AI today



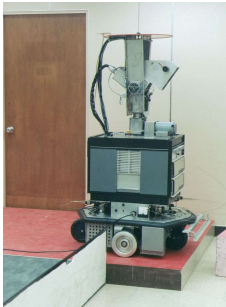
# The progress of modern intelligent machines



Zoltar, 1904



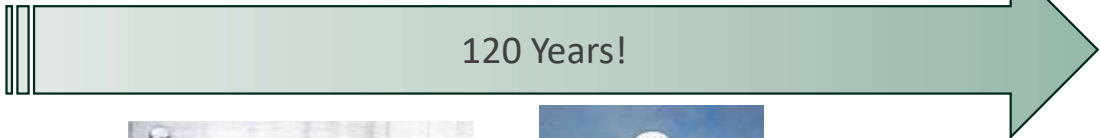
MARIA,  
1927  
Movie  
robot  
depicting  
year 2026



Shakey, 1966



ASIMO, 2002



120 Years!



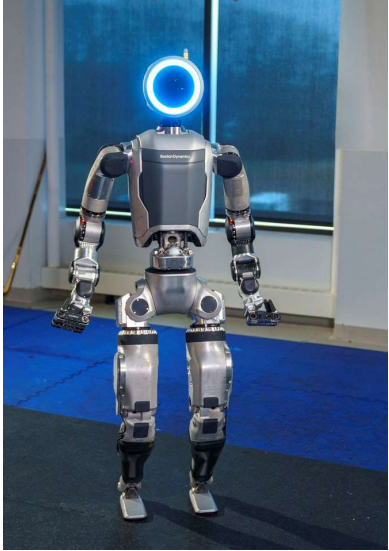
Unimate Robotic arm,  
1956



ASIMO, 2000



JIBO, 2017



Electric Atlas, 2024

# What does AI mean for you and your business?

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- Impact on key business functions:
  - Customer engagement
  - Operations and efficiency
  - Decision making
- Mindful adoption is a winning strategy
  - Start small with proven applications
  - Invest in training and education for your employees
- Outsource with trusted vendors and carefully consider the ROI
- Use ethical AI practices
  - Customer data privacy
  - Beware of bias



# Common AI Pitfalls to Avoid

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- **Don't Assume AI is a Magic Fix:**

- Not a one-size-fits-all solution; must be tailored to specific problems, with an understanding of its limitations.

- **Don't Overlook Human Expertise:**

- AI should augment, not replace, human insight and creativity. Human employees bring context, empathy, and ethics to decision-making, which AI lacks.

- **Avoid Rushing into Large-Scale AI Projects Without a Clear Roadmap:**

- Start small, prove value, then scale thoughtfully.



# Closing Thoughts

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- AI's impact can be transformative, but its adoption should be careful, intentional, and ethical.
- By taking a proactive, cautious, and thoughtful approach, you can harness AI's potential to drive meaningful business value without unnecessary risk.

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803-679-9336



# Rotary

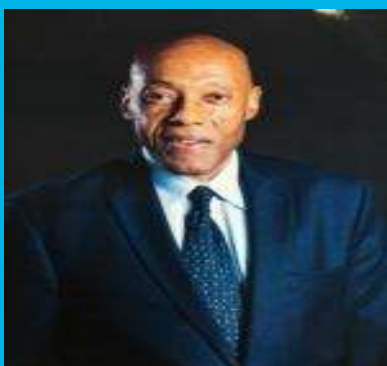


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## Today's Challengers

### INSIDE CART CHALLENGER

**MAC BOWMAN**



Contribute to the blue buckets  
or online at [mycartfund.org](http://mycartfund.org)



**SCAN ME!**



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## Upcoming Club Meetings

- **No Meeting on November 11, 2024, due to Veterans Day Holiday.**
- **Daniel Rogers, Scout Executive of Georgia-Carolina Council in Augusta, Georgia, will speak on scouting on November 18, 22024.**
- **No Meeting on November 25, 2024, due to Thanksgiving Holiday.**



- Thanks to Brenda Durant to serve as a Certified Sponsor and Advisor for the Rotary Club of Augusta Youth Exchange Program.
- Currently, there is a potential student from Augusta University, who is planning to study abroad for 1 year.
- It will take several months to prepare the student and parents after approval from RI.
- The Student will join the Outbound School in July- August 2025.
- There is no cost to our Club.

## **Hull Fund Committee Meeting**

- Monday, November 4, 2024, after the Club Meeting.





# Planning on December 16, 2024, Details - TBD



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**THE MAGIC OF ROTARY**

# 2025 GEORGIA DISTRICT CONFERENCE



**APRIL 24-27, 2025**  
**JEKYLL ISLAND, GA**

**ALL 3 GEORGIA DISTRICTS UNITED TO CELEBRATE AND SERVE**

Georgia  
**Rotary**  
Districts





## THE FOUR-WAY TEST

*Of the things we think, say or do:*

*first*

Is it the **TRUTH**?

*second*

Is it **FAIR** to all concerned?

*third*

Will it build **GOODWILL** and  
**BETTER FRIENDSHIPS**?

*fourth*

Will it be **BENEFICIAL** to  
all concerned?