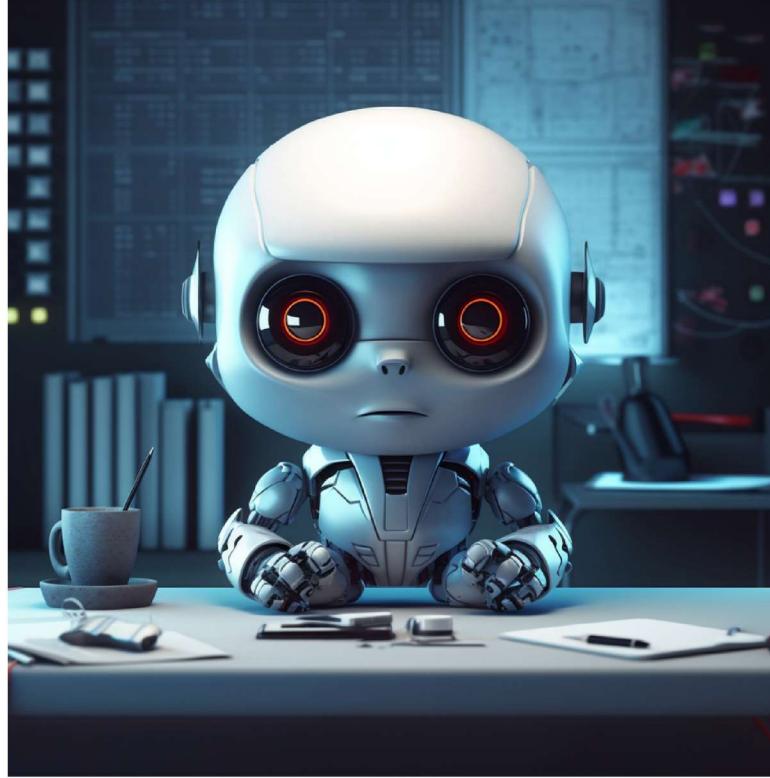


REVOLUTIONIZING WORKFLOWS WITH AI: THE FUTURE OF EFFICIENCY

**SSG Donald Miller (Meeseeks)
144th CWC Support Team**



REVOLUTION

AGENDA



- 1** Introduction
- 2** Understanding Workflows
- 3** The Need for Optimization
- 4** AI in Workflow Optimization
- 5** Case Studies
- 6** Challenges and Considerations
- 7** Future Trends

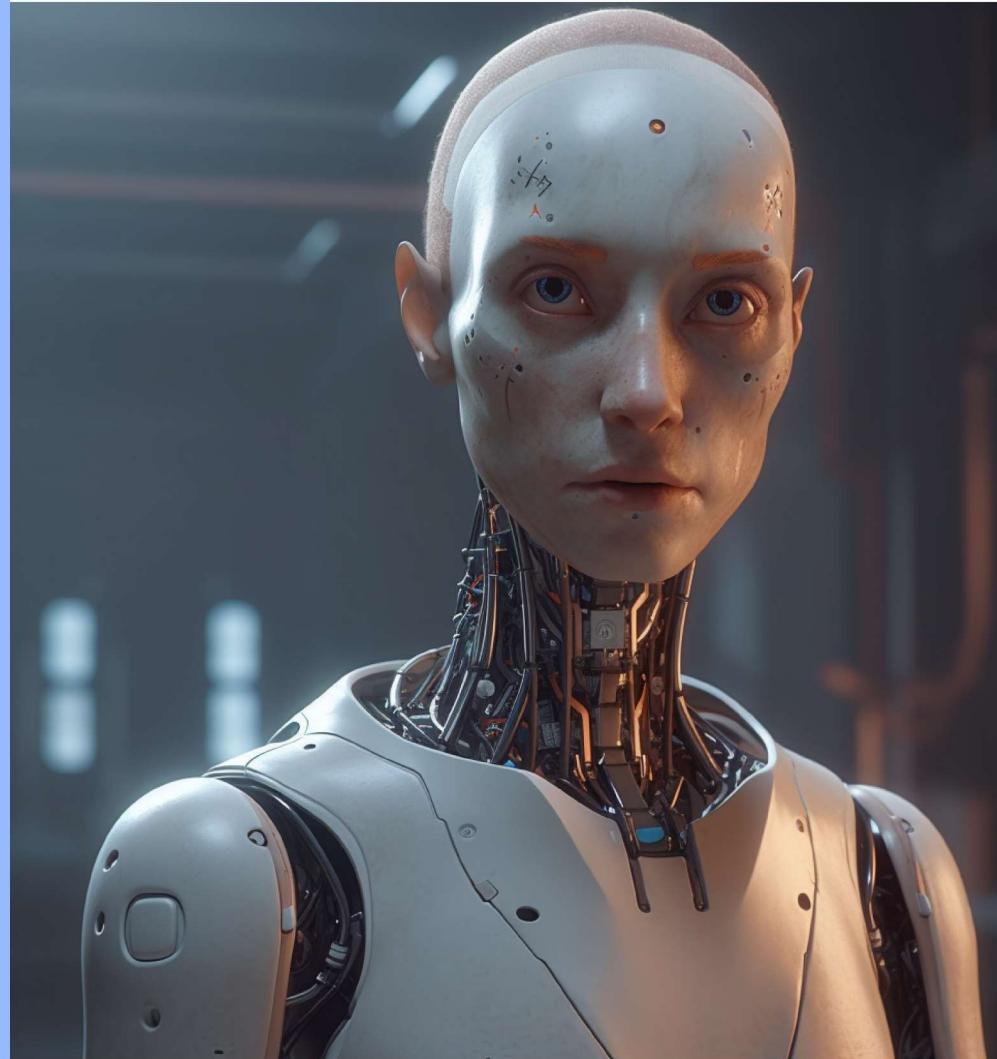
#WHOAMI

Virginia Army National Guard
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Support Team NCOIC

SAIC
AI / ML Developer

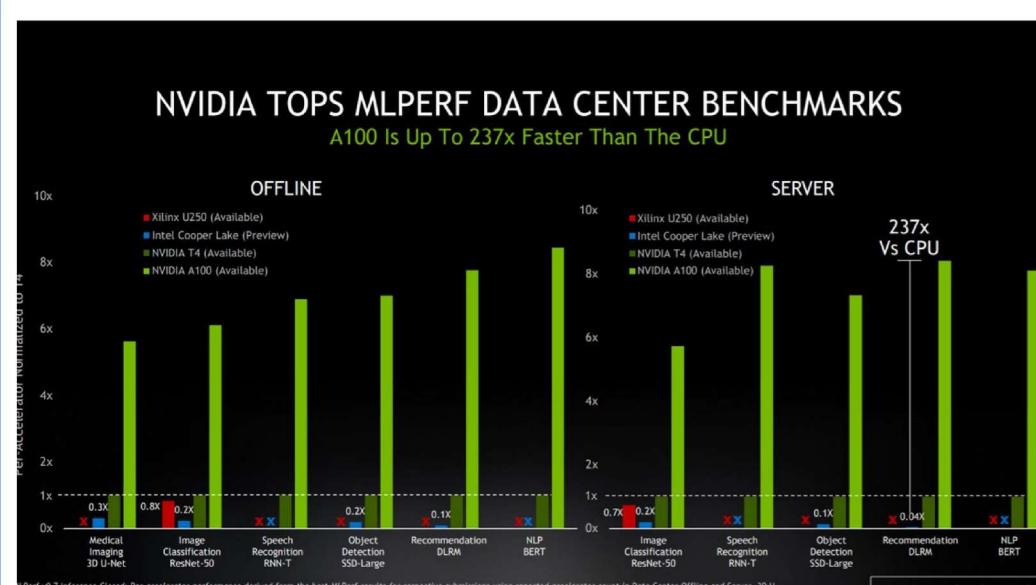
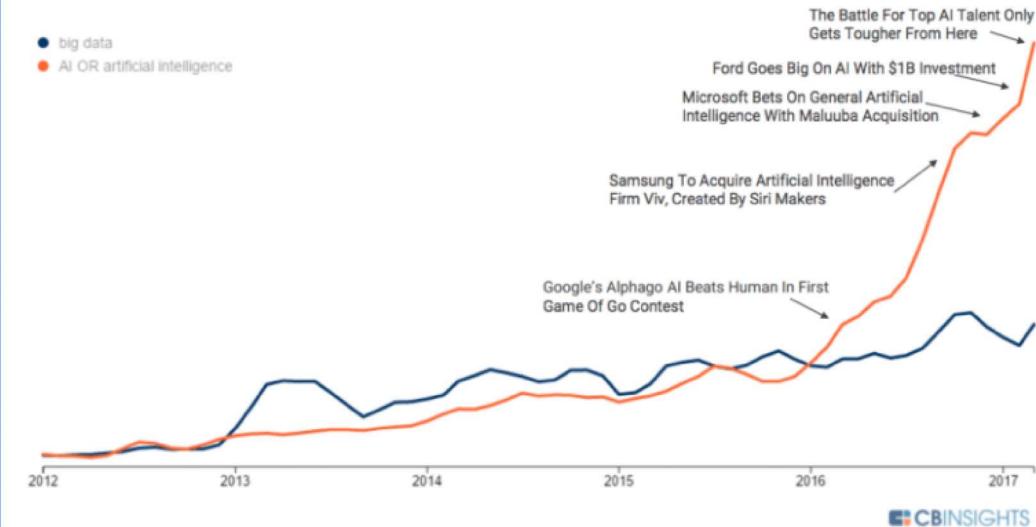
Discord: 446f6e616c64#4601
Github: <https://github.com/Uncle-Iroh2023>

Thoughts and opinions are my own and do not represent the
US Government or my employer



AI: THE NEW NORMAL

- Dramatic Increases in GPU Performance
- Dramatic Decrease in GPU Cost
- Adaptation of Higher Level Programming Languages
- The Open Source Community



AI AND THE WORKPLACE

- Human Resources / In-Processing
- Repetitive Tasks
- Optimal Experience
- Code and Development
- Sound Board
- Thought Process and Critical Thinking
- Comprehension / Understanding
- Art and Expression
- Health, Wealth, and Fitness





WORKFLOWS

DEFINITION, COMPONENTS, IMPORTANCE

- Sequence of processes to complete a task
- People, Systems, or Machines
- Reduced costs, enhanced performance, increased efficiency



WORKFLOWS

TYPES AND MAPPINGS

- Sequential
 - Linear Sequence
- Parallel
 - Simultaneously
- Conditional
 - Outcome Dependent
- FlowChart or Process Mapping Tools
- Visual Representation



THE IMPERATIVE FOR OPTIMIZATION

- Cost and Time Savings
- Speed to Market
- Really? Death?



CASE STUDY EXAMPLES

Customer Service

Telecom company implemented an AI Chatbot to manage routine customer inquiries, reducing wait times.

Supply Chain

A multinational retailer implemented AI systems to predict demand, optimize inventory, and prevent over/under stocking.

HR Processing

Large tech firm uses AI to screen resumes, schedule interviews, and answer FAQs reducing time-to-hire.

Finance

A major bank utilized AI to detect fraud and automate routine tasks such as report generation and transaction processin



EVAL GENIE

Generate NCOER Bullets

Translates your successes into concise professional performance bullets.

Generate OER Comments

Translates your achievements into concise, high-caliber professional remarks.

Daily Duties and Scope

Distill your leadership and MOS roles, including secondary and tertiary positions, and financial duties.

Coming Soon!

Rater and Senior Rater Comments

Illuminate your soldiers' strengths and enable them to outshine their peers.

Coming Soon!

CHALLENGES AND CONSIDERATIONS

- Social Stigma and Government Regulation
- Data Collection and Retention
- Barriers to Entry and Gatekeeping



FUTURE TRENDS

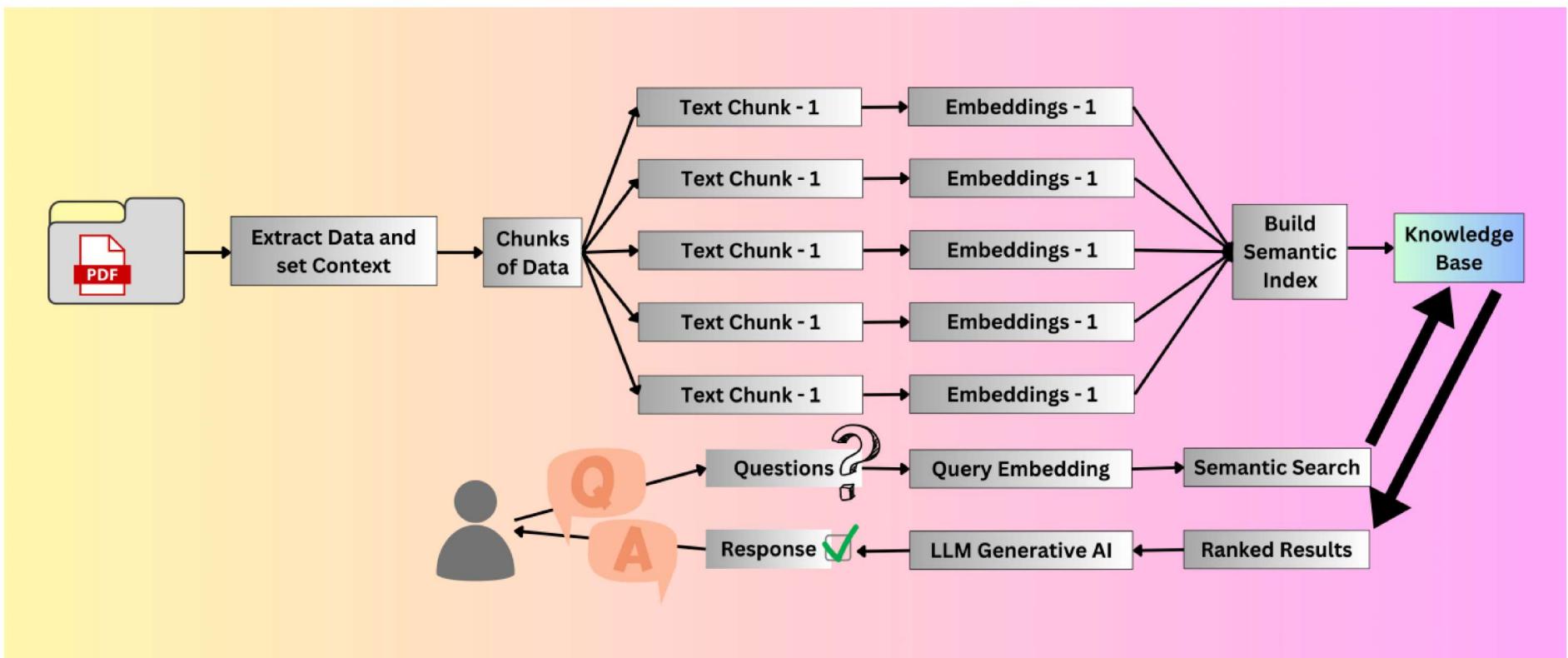
- Open Source LLM Race
- AI Art
- Low Code / No Code Development
- Code Auditing / Code Development



NOW STOP... DEMO TIME!



USING LANGCHAIN TO ASK YOUR DOCUMENTS QUESTIONS



THANK YOU!

