



# HACK TO THE FUTURE

**AI, Cybersecurity, and Keeping  
Schools One Step Ahead**

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**JEREMY "MCFLY" WOOD**

**Assistant Director of Technology**

**PNW BOCES**





# **HACK TO THE FUTURE**

**"DOC" BHARGAV VYAS**

**Assistant Superintendent - Compliance  
& Information Systems**

**Monroe-Woodbury Central School District**

# HACK TO THE FUTURE



**DANA "LORRAINE" CASTINE**

**Director of Instructional Services**

**Florida Union Free School District**



# HACK TO THE FUTURE THE FUTURE



**CARL "BIFF" HOOKER**

**Educator/Consultant/Speaker/Author**

**Austin, TX**



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# **NOW THIS WILL WORK**



**Each of us will tackle a scenario around cybersecurity.**



**The audience will have two minutes to brainstorm ideas on how they would solve the problem.**







**Audience will share their best ideas and suggestions while one of us attempts a solution.**




**AI will get a chance to come up with a solution too.**

# You understood the assignment!

10:47 5G 68






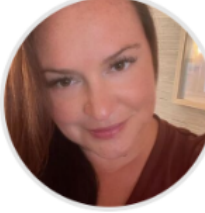






safety, physical security, cybersecurity, facilities, technology infrastructure and instruction and also served as the district's former Interim Superintendent. With... [Read More](#) →



 **Jeremy Wood**  
Assistant Director of IT, PNW BOCES

Jeremy Wood is the Assistant Director of IT at Putnam | Northern Westchester BOCES (PNW BOCES). Now in his third year, he oversees IT operations and drives cybersecurity strategy. Jeremy holds CompTIA Security+ and ISACA Certified Information Security Manager (CISM) credentials... [Read More](#) →

● Breakout, Artificial Intelligence

Attendees (88)

  **Sched**  
Sched  
Sched - In [Google Play](#) [View](#)

MENU

DISCONNECT CAPACITOR DRIVE  
BEFORE OPENING

SHIELD EYES FROM LIGHT



# SCENARIO #1

## The Network That Time Forgot



**Setting:** An elementary school with aging infrastructure.



**Situation:** A power surge knocks out network connectivity districtwide — including smartboards, phones, and the cloud-based student information system. Without internet access, learning and operations grind to a halt.





# SCENARIO #1

## The Network That Time Forgot

**JEREMY "MCFLY" WOOD**



***POST YOUR RESPONSE***



**[mrhook.it/poll](https://mrhook.it/poll)**

# AUDIENCE RESPONSE

## The Network That Time Forgot



**Setting:** An elementary school with aging infrastructure.



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## AI RESPONSE

Teachers are suddenly squinting at analog clocks, students are convinced school is canceled because “the Wi-Fi is down,” and somewhere in the corner, an assistant principal is frantically shaking a Chromebook like it’s an Etch A Sketch.

At this point, your only hope is to gather 1.21 gigawatts of pure educational determination, channel your inner Doc Brown, and pray someone still remembers how to take attendance without clicking a button. Because until the network comes back online, you’re not just offline — you’re outtatime.

## What's your solution for the network that time forgot?

Nobody has responded yet.

Hang tight! Responses are coming in.



## SCENARIO #2

### The Great AI Glitch



**Setting:** A high school piloting AI-assisted grading tools.



**Situation:** An AI tool used for grading short-answer assignments malfunctions after a software update, mislabeling multiple students' work as "AI-generated plagiarism." Panic ensues as grades are temporarily frozen.

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# SCENARIO #2

## The Great AI Glitch

**CARL**  
**"BIFF"**  
**HOOKER**



***POST YOUR RESPONSE***



**[mrhook.it/poll](http://mrhook.it/poll)**

# AUDIENCE RESPONSE

## The Great AI Glitch



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**Situation:** An AI tool used for grading short-answer assignments malfunctions after a software update, mislabeling multiple students' work as "AI-generated plagiarism." Panic ensues as grades are temporarily frozen.



## **AI RESPONSE**

**That AI update didn't just hit 88 mph — it clearly overshot and launched itself into a wormhole, returning as a paranoid future-bot convinced every student is a cyborg plagiarist from the year 3047.**

**But fear not! Simply summon your district's most tech-savvy human (preferably someone who owns a lab coat), reverse the polarity of the last update, and perform a ceremonial reboot under a full moon. That usually realigns the grading circuits, dispels any accusations from future robot overlords, and pops your gradebook back into the correct timeline. With any luck, you'll be back to a future where the AI isn't screaming at children by lunchtime.**

## What's your solution for the AI plagiarism glitch?

Nobody has responded yet.

Hang tight! Responses are coming in.



## SCENARIO #3

### The “Phishy” Future



**Setting:** A middle school in Florida Union Free School District



**Situation:** Teachers receive an urgent email that appears to come from “Dr. Emmett Brown, NYSED Tech Division,” claiming that their accounts will be suspended unless they immediately verify their credentials. The email includes an official-looking logo and a link that seems legitimate. Several staff members click the link and unknowingly compromise their district email credentials.

### CYBER INCIDENT REPORTING FORM

#### Staff Reporting a Cyber Incident:

Suspected cyber activity that may compromise the security or integrity of the district network:

[Cybersecurity Issues] [Breaches] [Hacks] [Malware] [Phishing Attacks] [Data Leaks]

[Network Disruption] [Internet outage] [Other incidents involving a 3<sup>rd</sup> party or data]

**\*\*Please complete and submit this form as soon as an incident is suspected\*\***

\*\*\*\*\*

**\* BE ALERT! GET SPECIFICS! BE RESPONSIVE! ~ IF YOU SEE SOMETHING, SAY SOMETHING \***

\*\*\*\*\*

Include the following details in your call / report:

#### INDIVIDUAL REPORTING INCIDENT

Full Name: \_\_\_\_\_ Address: \_\_\_\_\_

Job Title: \_\_\_\_\_

Phone: \_\_\_\_\_ E-Mail: \_\_\_\_\_



#### THE INCIDENT

Date of Incident: \_\_\_\_\_ Time: \_\_\_\_\_  AM  PM

Type of Incident e.g., phishing, malware, ransomware, denial-of-service, etc.):

Malware  Data Breach  Other [Details]:

- How was the incident detected / discovered?
  
- Describe the source and destination of the suspected cyber activity. (e.g., IP addresses, domain names, email addresses, etc.)
  
- What is impact/consequence(s) of the suspected cyber activity? (e.g., data loss, system damage, financial loss, etc.)
  
- Explain the steps you have taken or plan to take to mitigate the suspected cyber activity.
  
- Provide any other relevant information or evidence that may assist the investigation.

Time of Notification to Emergency Contacts: \_\_\_\_\_

Additional Comments: \_\_\_\_\_

\*\*\*\*\*

**\*\*\*\*\*Please do not delete, modify, or tamper with any data or files related to the suspected cyber activity until you receive further instructions from the authorities.\*\*\*\*\***

**Thank you for your cooperation and vigilance in protecting your organization and data from cyber threats.**

# 10 #2

# Future



## The “Phishy” Future



**Setting:** A middle school in Florida Union Free School District



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***POST YOUR RESPONSE***



**[mrhook.it/poll](https://mrhook.it/poll)**



## **A RESPONSE**

When teachers got that urgent email from “Dr. Emmett Brown, NYSED Tech Division,” the whole thing smelled like a phishing scam dipped in plutonium, but the official logo must’ve looked convincing enough to make folks think the time-space continuum of their email accounts was at risk. Several staff clicked the link, instantly launching their credentials into a shady alternate 1985 where cyber-bandits rule the inbox.

The fix? Lock down those accounts faster than a DeLorean hitting 88, force password resets, enable MFA like it’s a temporal shield, and have IT run a digital cleanup before Biff-sized trouble spreads across the district.

## What's your solution for the phishy email scenario?

Nobody has responded yet.

Hang tight! Responses are coming in.



## SCENARIO #4

### The Great Lockout



**Setting: A small K-12 district's main building on a busy Friday morning.**



**Just before classes begin, teachers across the district suddenly find themselves unable to log into their computers or access shared drives. A ransomware message flashes on the screen demanding payment in cryptocurrency to restore access. Panic sets in as attendance systems, digital lesson plans, and email communication all grind to a halt.**

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# SCENARIO #4

## The Great Lockout



**"DOC"**  
**BHARGAV**  
**VYAS**

## The Great Lockout



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***POST YOUR RESPONSE***



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## A RESPONSE

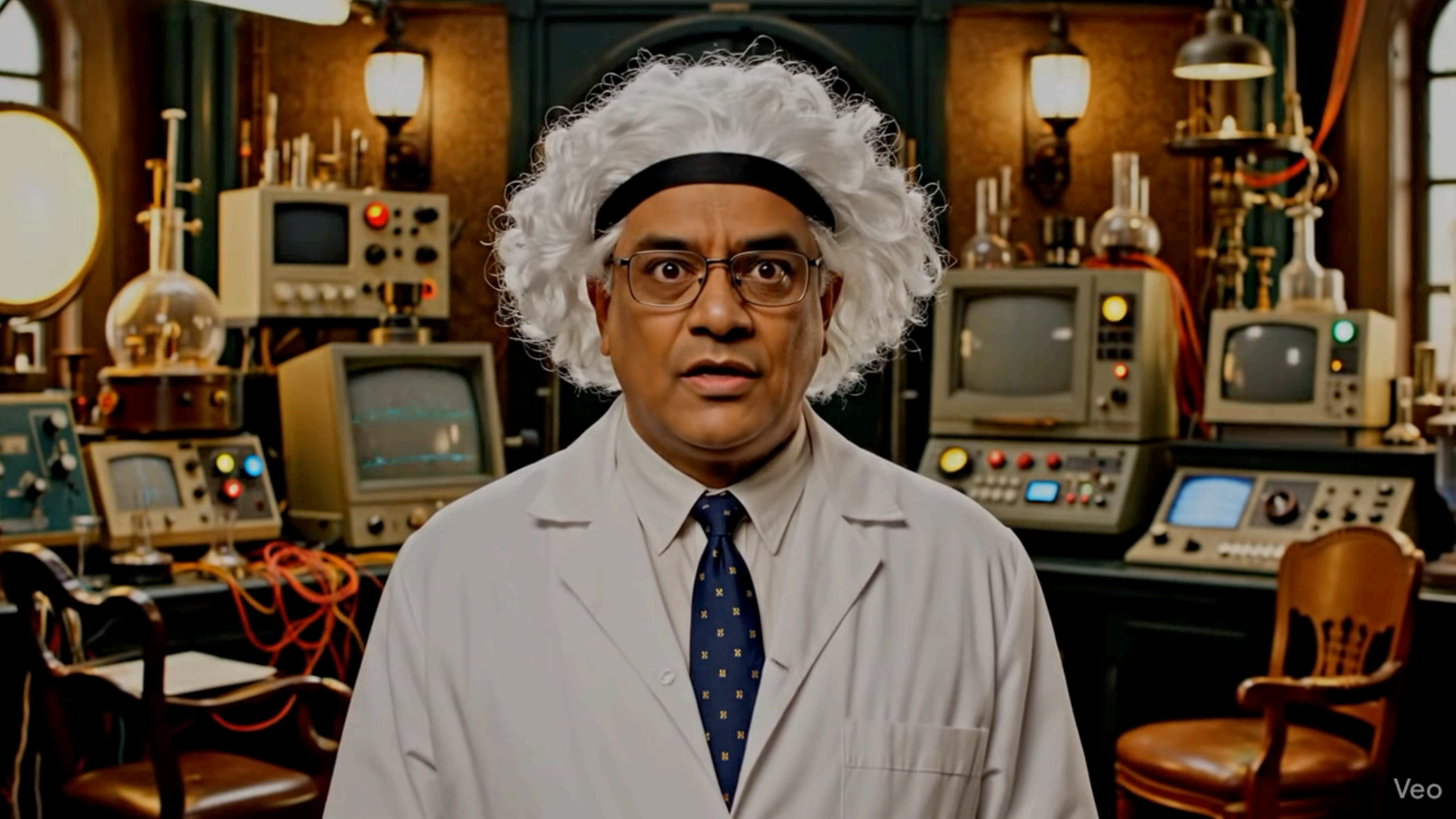
Right as teachers gear up for the day, every computer suddenly goes full sci-fi villain and flashes a ransomware message demanding cryptocurrency like it's trying to fund its own time machine. Lesson plans vanish, attendance flatlines, and email becomes as unreachable as 1955 without a DeLorean. Panic spreads fast—someone even mutters, “This is how the robot uprising starts.”

To reverse the chaos, disconnect systems faster than Marty dodging Biff, call in the IT time-travel squad, isolate the ransomware, and restore clean backups. With a few metaphorical gigawatts and some digital decontamination, the district returns to a timeline where logging in doesn't involve negotiating with crypto-hungry robots.

## What's your solution for when there's a ransomware attack?

Nobody has responded yet.

Hang tight! Responses are coming in.



# HACK TO THE FUTURE



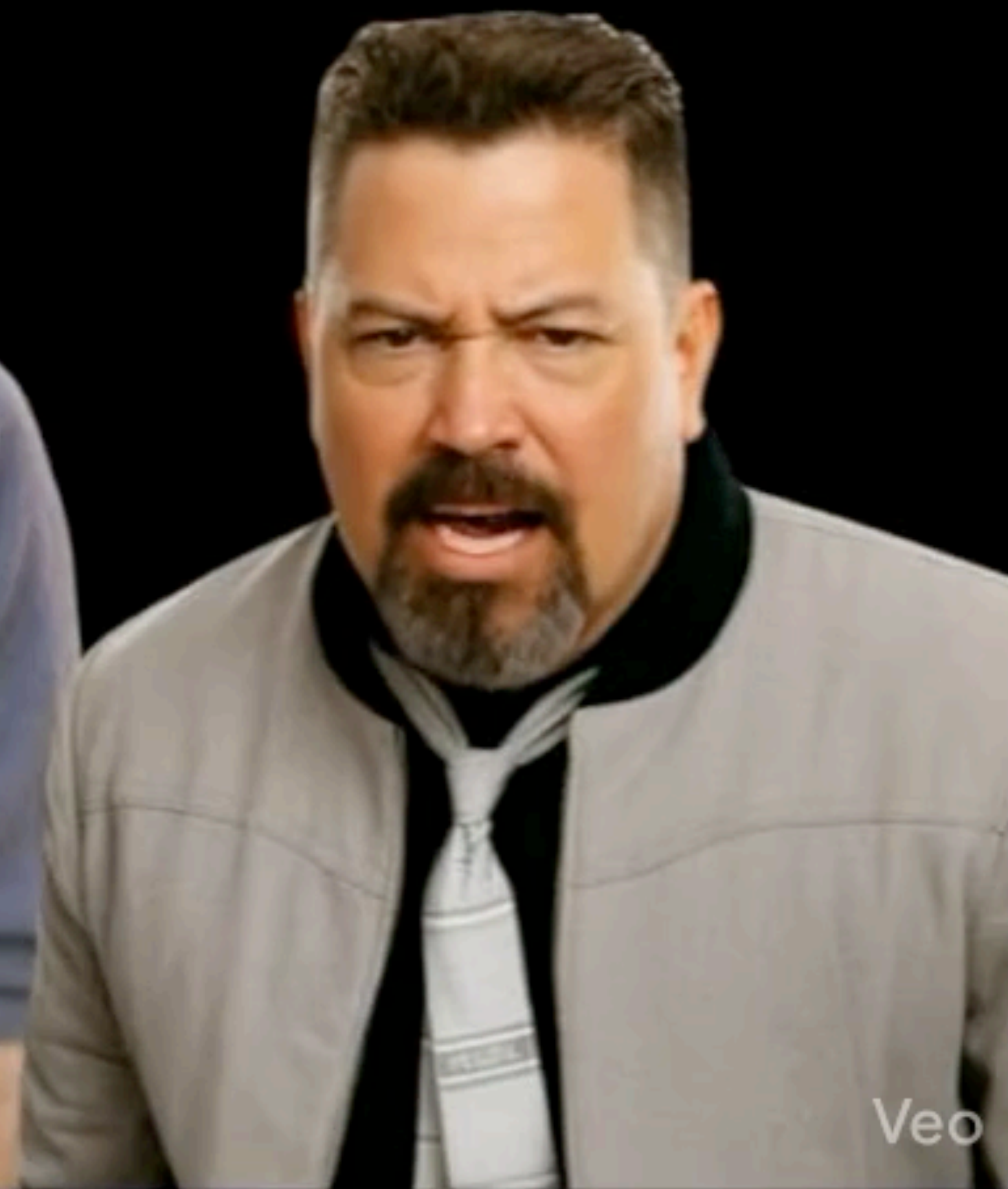
**JEREMY BHARGAV**



**DANA**



**CARL**



# HACK TO THE FUTURE



**JEREMY BHARGAV**



**DANA**



**CARL**