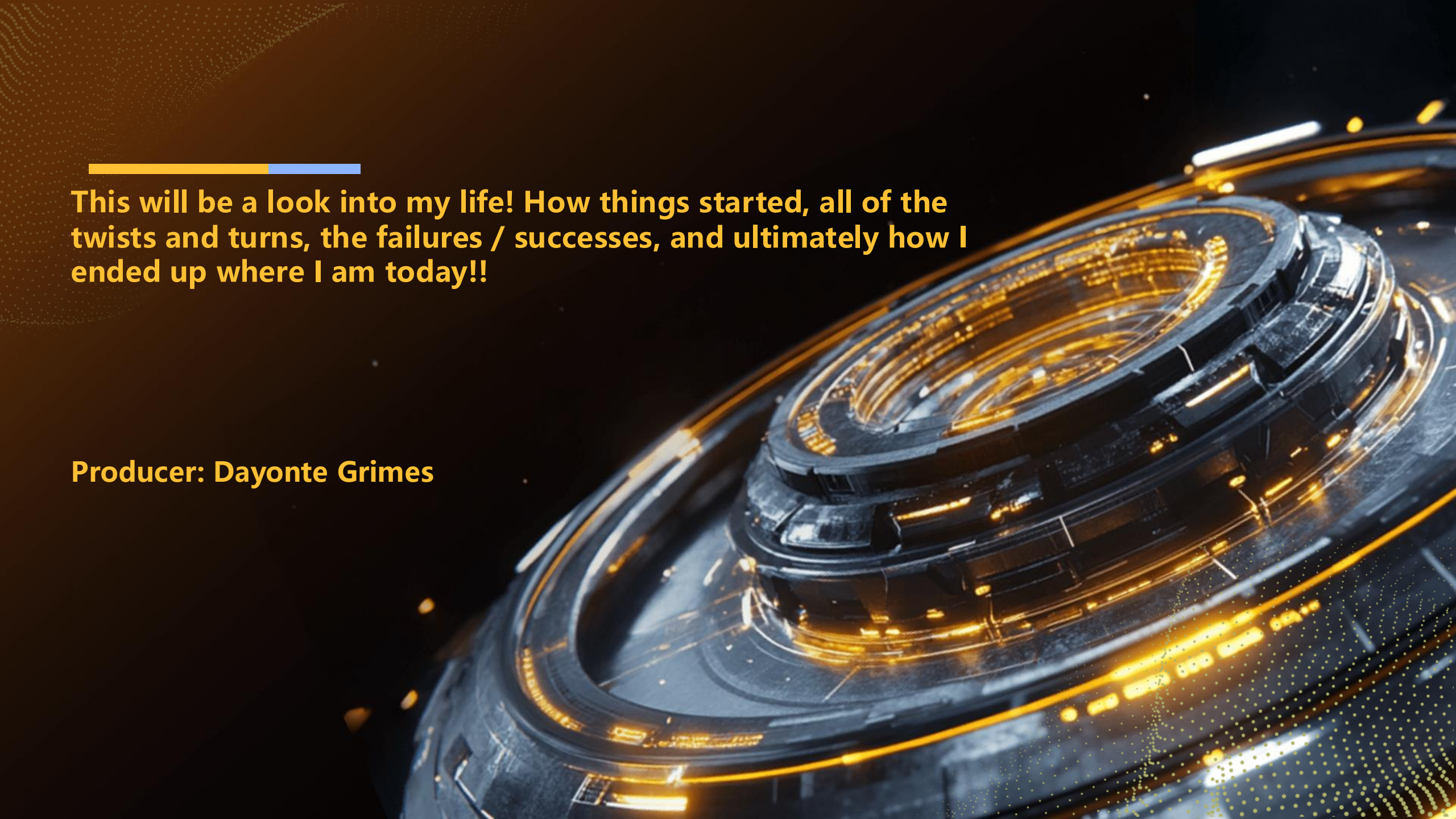




This will be a look into my life! How things started, all of the twists and turns, the failures / successes, and ultimately how I ended up where I am today!!

Producer: Dayonte Grimes

Who Am Today:

- Father / Husband
- Robot Programmer – Henshaw Custom A
- Coach – Youth / Varsity Wrestling, Powde
- Athlete
- Instructor (Engineering and Robotics)





Childhood Experiences

PART 01

I bet you are all asking....What
type of child was I?





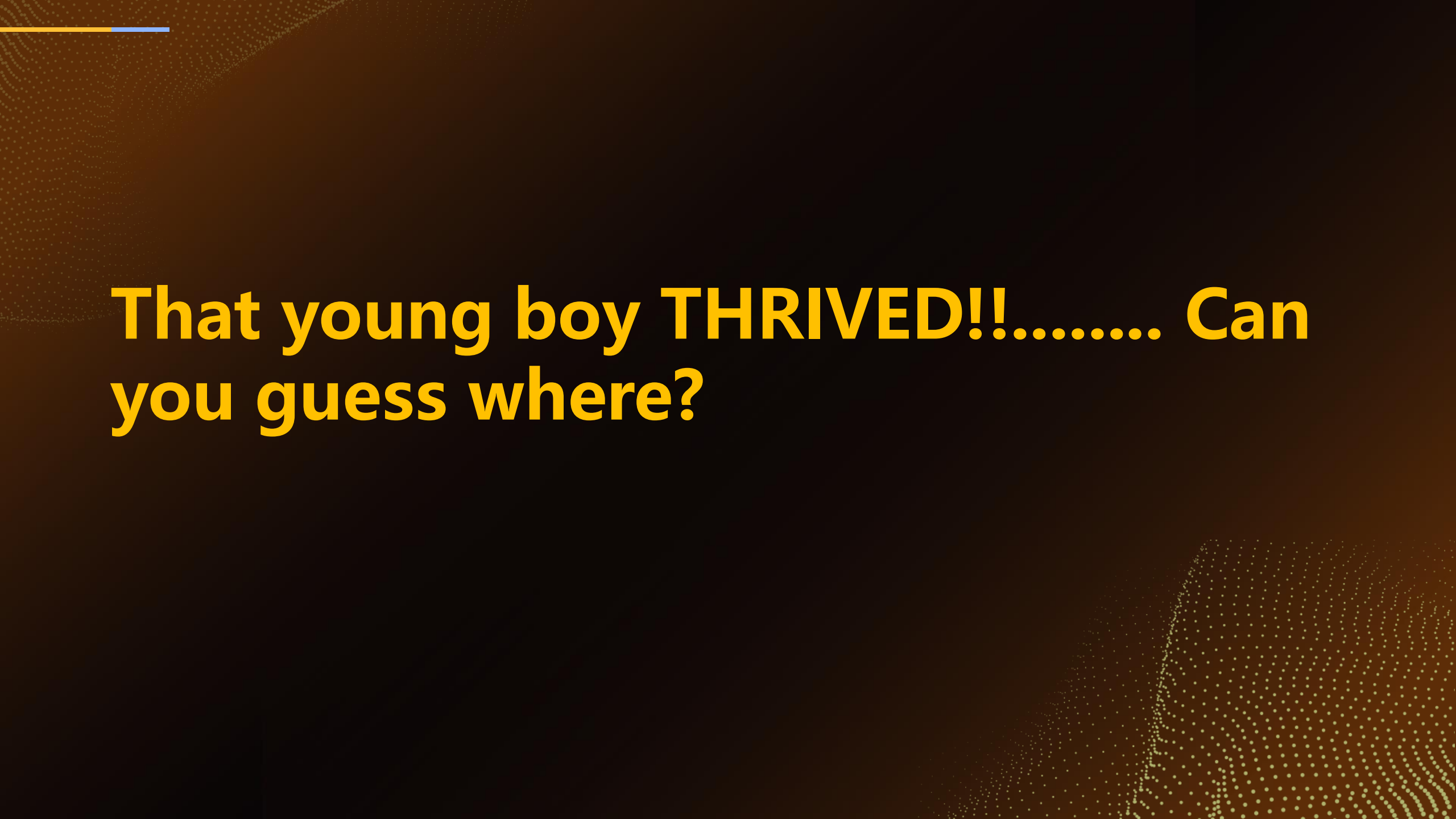












**That young boy THRIVED!!..... Can
you guess where?**

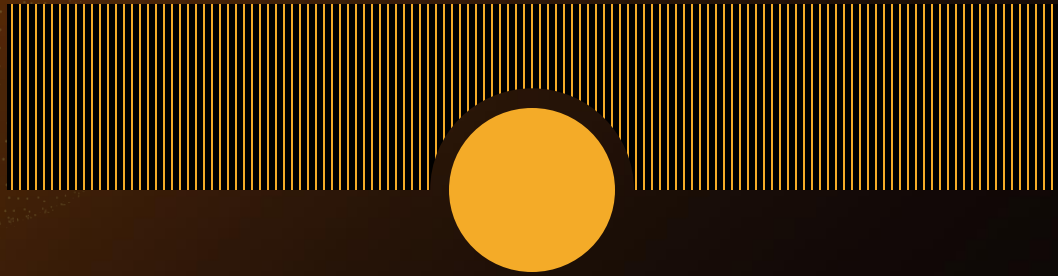






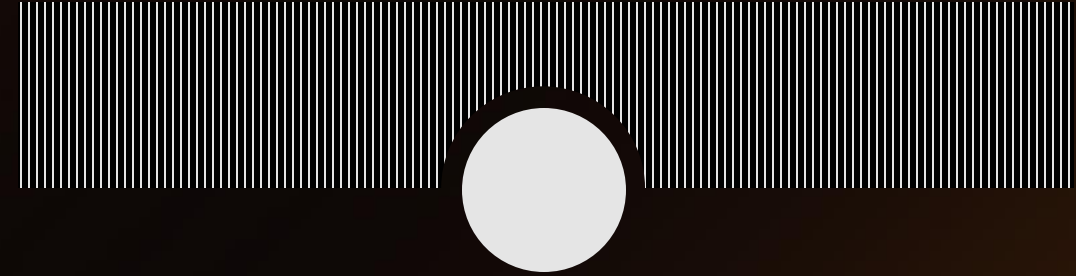


Early Learning Challenges



Struggles with Reading, Comprehension, Focus, Sitting Still

I was diagnosed with everything! ADD, ADHD, Problems with Authority, Disassociation, etc. I was expelled from elementary school, suspended, and transferred.



Engagement was the KEY

Any environment made to be quiet....traditional classrooms, doctor offices, libraries, diners, church, etc.

Cornelius Minor

Maybe it
isn't the
children!
Maybe its
US!



Supportive Influences

■ 01.

Wrestling / Football

That is when I started organized sports. I could focus my energy into something productive, and I found that I thrived in the chaos. The hectic situations were my “happy place” .

■ 02.

Family Encouragement / Great Coaches

Along the way, my family pushed me to be the best I could be...and my coaches reinforced that!



Adulthood in Law Enforcement

PART 02



So you like chaos??



Riverbend Maximum Security Institution (Death Row)

Started my law enforcement career as a Corrections Officer in Nashville, TN.

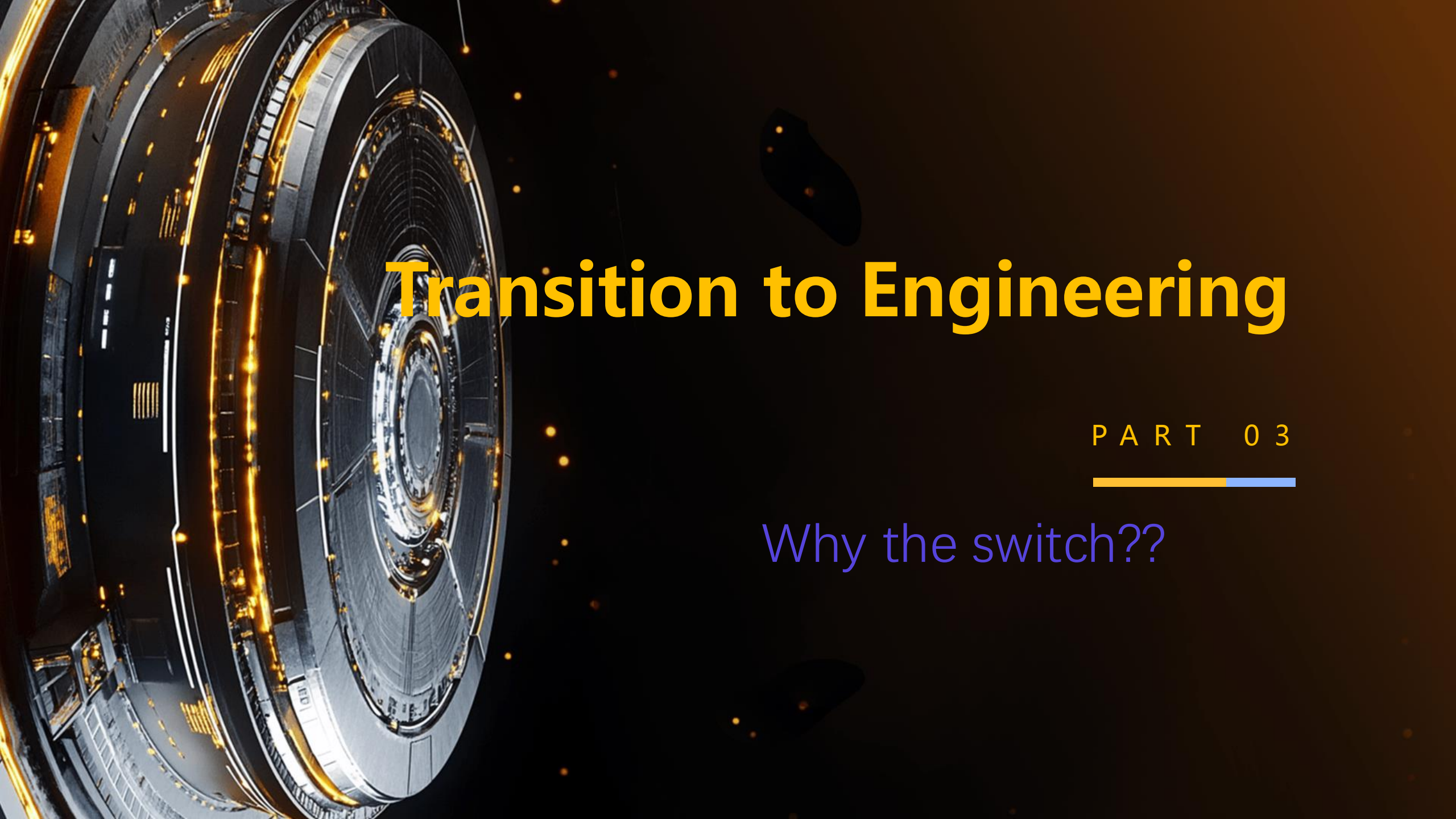




ynne County Sheriff

gan, I transitioned to V
y Instructor for Cell Ex





Transition to Engineering

PART 03

Why the switch??

Reasons for Career Change

01

2013 Detroit Bankruptcy

Largest municipality bankruptcy in US history. We went from 1500 officers to under 500 in just a few years.

02

Time for a shift

Robots are the way of the future! – Shannon Savona



Im not a robot guy!!



Skills Transfer



Program Industrial Robots / Learn New Skills

Develop new skills for the future of engineering.

Problem-Solving Techniques / New Challenges

Utilize analytical thinking to address engineering challenges effectively

Communication Skills / Engineering Mindset

Convey complex ideas clearly to diverse technical audiences efficiently

So she finally convinced
me!!



FULL SEND





Fanuc Robot Programming

PART 04

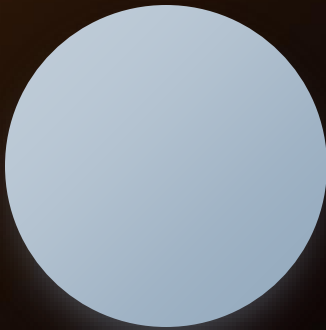


Importance of Engineering



New Passion for Learning

I had found my new passion. I wanted to know everything there was to know about robots, engineering, and automation.



Innovations in Technology and Challenges

I had fallen in love with the challenge, the stress, and even the smell!!!

HENSHAW

A Single Source. The Whole Solution.

Q Search Site



HOME

PRODUCT LINES

GALLERY

FACILITY

CONTACT

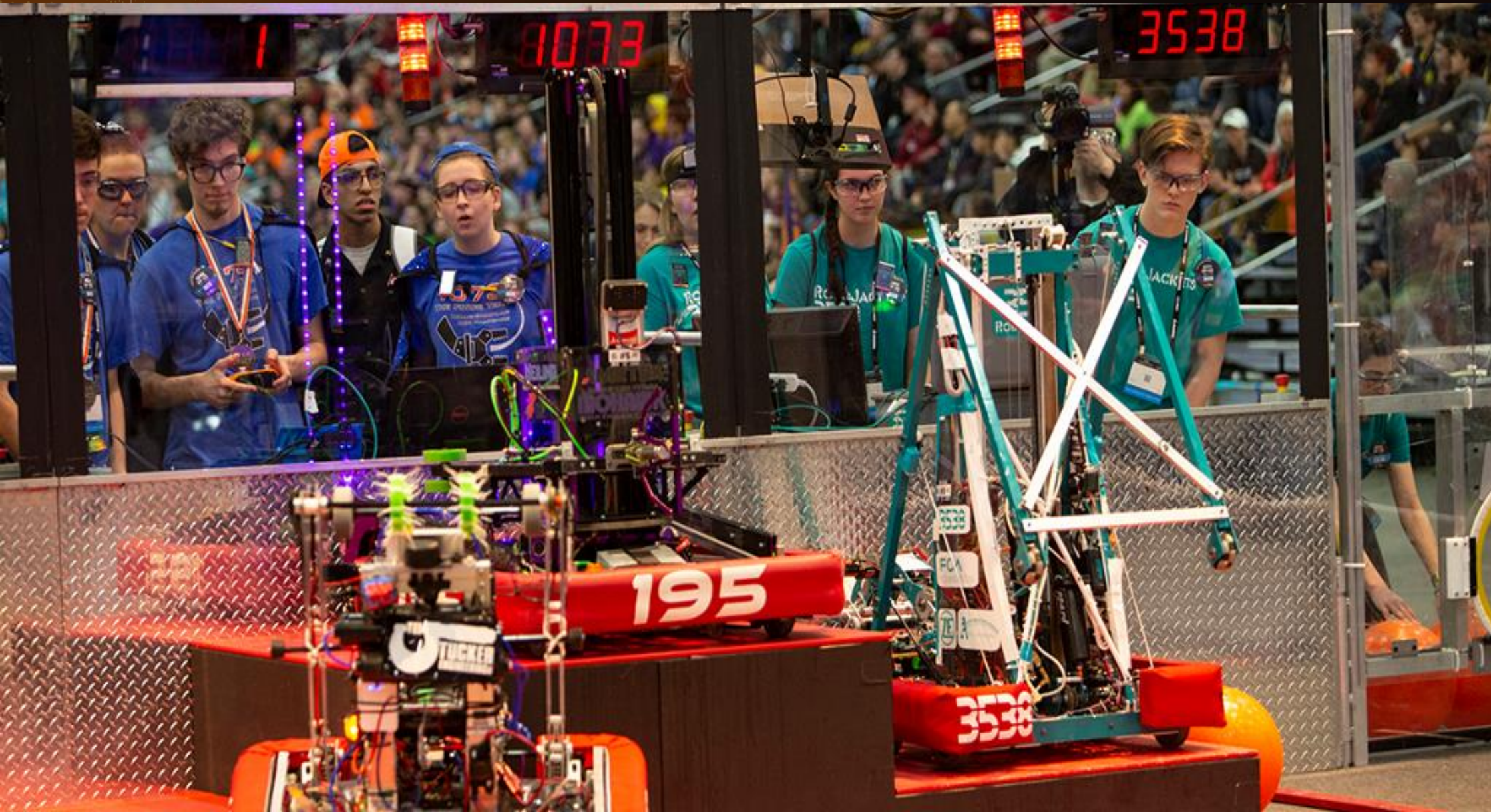


About Us

SYSTEM



RoboCon





Transition into Teaching

PART 05

Programming Basics



01

Understanding the Students

It was bumpy at first, until I started to look at it from the students perspective.



02

Wanted to Learn Something New and Cool

They werent thinking about the next 40 years and retirement, they wanted to learn some cool stuff TODAY!!

Real World Examples

01

Showing students actual real world applications gives them the WHY in regards to their assignment.

Show videos and timelines of current / past projects!

02

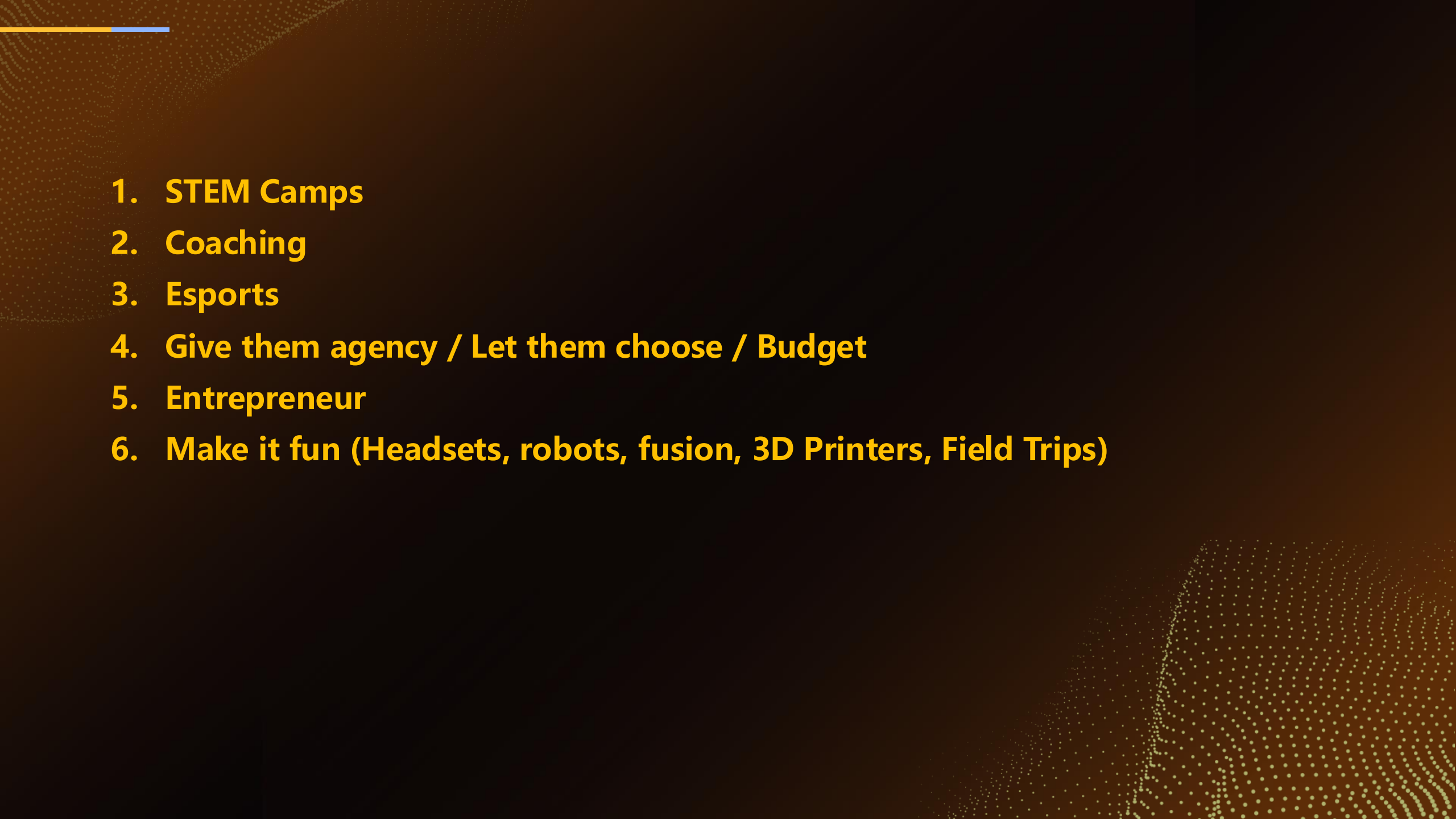
Discussing the hurdles with them and showing them the finished product gives them the engagement piece that we want.

Give students the IO / Layout and have them create it.



Strategies for Success

PART 06

- 
- 1. STEM Camps**
 - 2. Coaching**
 - 3. Esports**
 - 4. Give them agency / Let them choose / Budget**
 - 5. Entrepreneur**
 - 6. Make it fun (Headsets, robots, fusion, 3D Printers, Field Trips)**

STEM CAMPS – Thinking about the LONG Game



STEM CAMPS



Coaching



ESPORTS

Design layout, footprint, and theme.



Order, build and install new equipment.





Budget / Student Led Presentations



Budget Assignment \$2,000, \$5,000, \$10,000



Students will get in groups to come up with purchasing ideas for each budget amount.

That leads into Leadership / Communication / Design



I will tell the class that I am the customer, and they have to sell me on their idea....but I will have to consider all of the pros / cons.



ist
Integrated Systems Technologies
www.istohio.com

FANUC

LAPEER
COMMUNITY SCHOOLS
Home of the Lightning

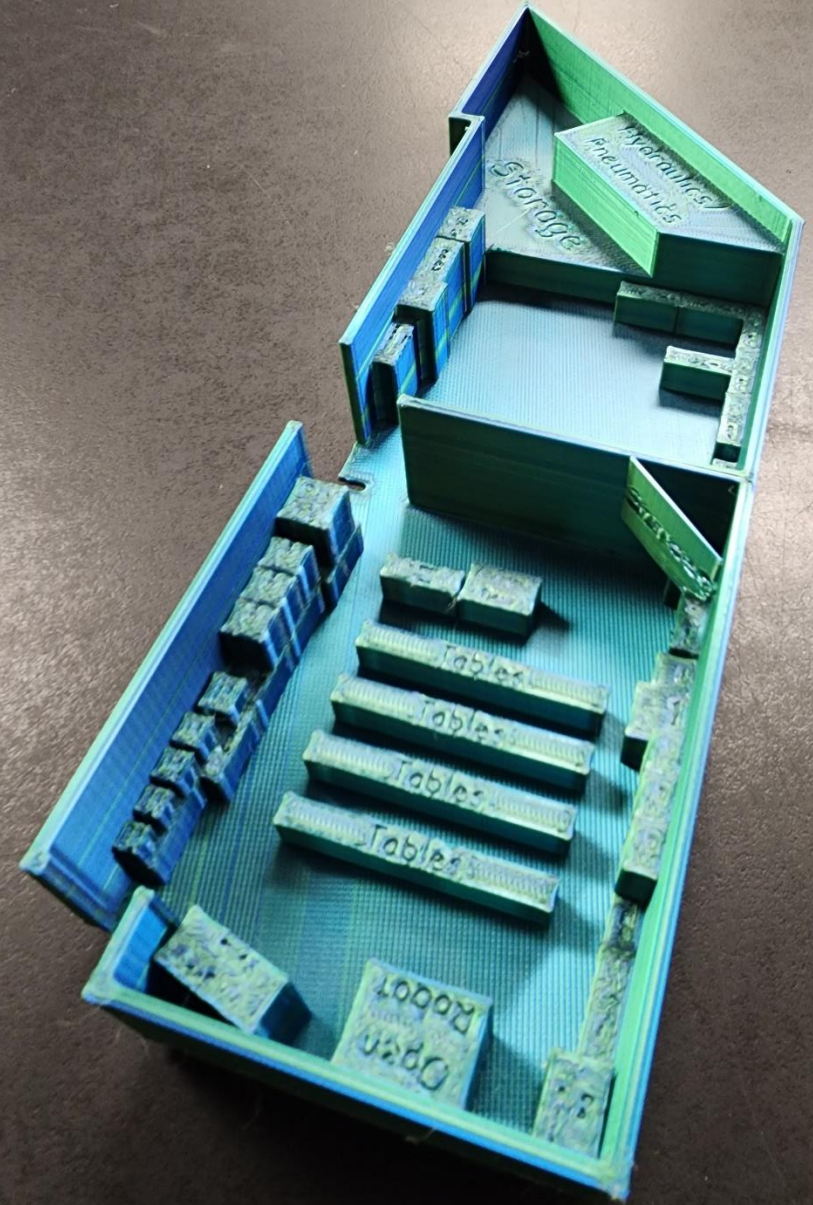
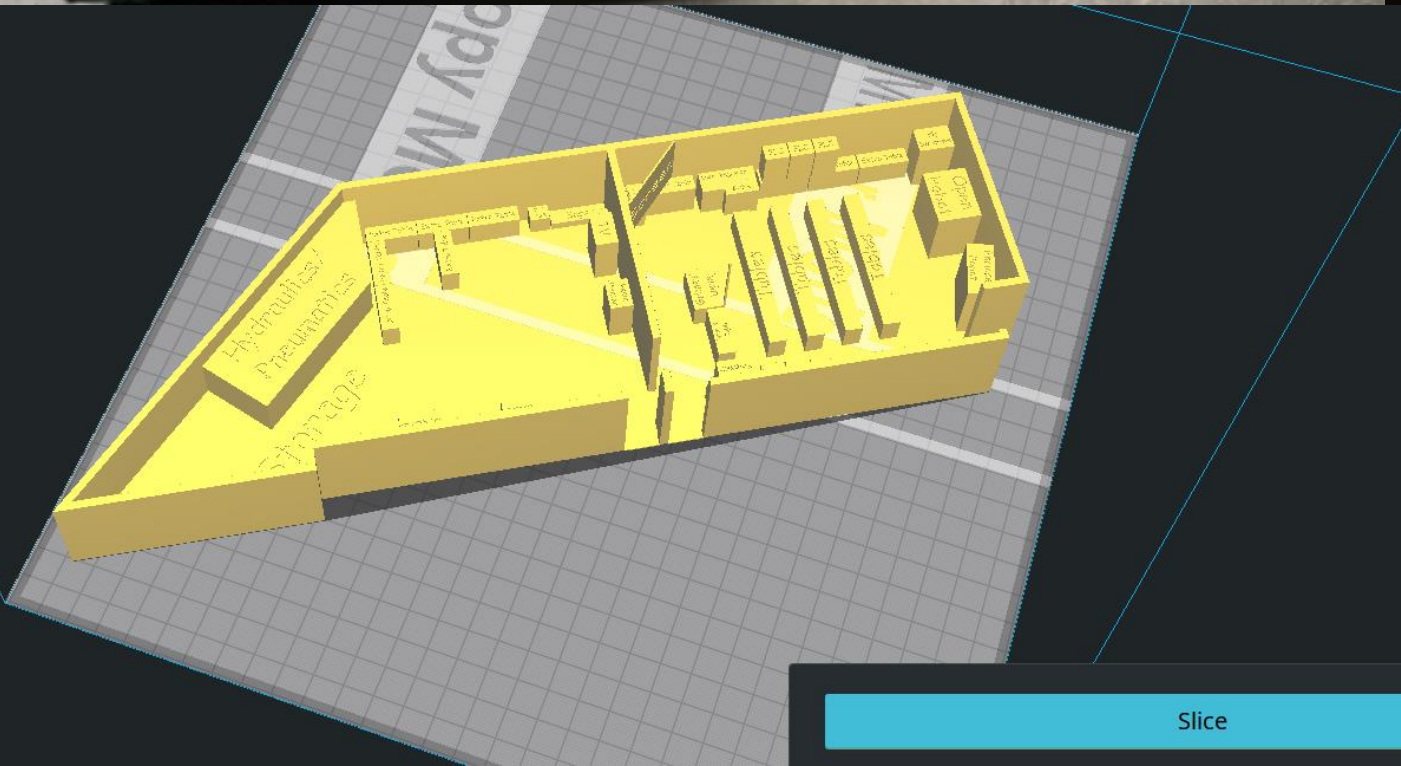
AMS 2 PRO

CAUTION

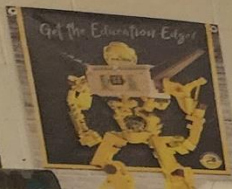
Fusion 360 / 3D Printing



Agency / Investment / Budget



Slice



01	02	03	04	05	06
07	08	09	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30



MR JACOBSON
DOWNLOAD = TO PLC
UPLOAD = FROM PLC

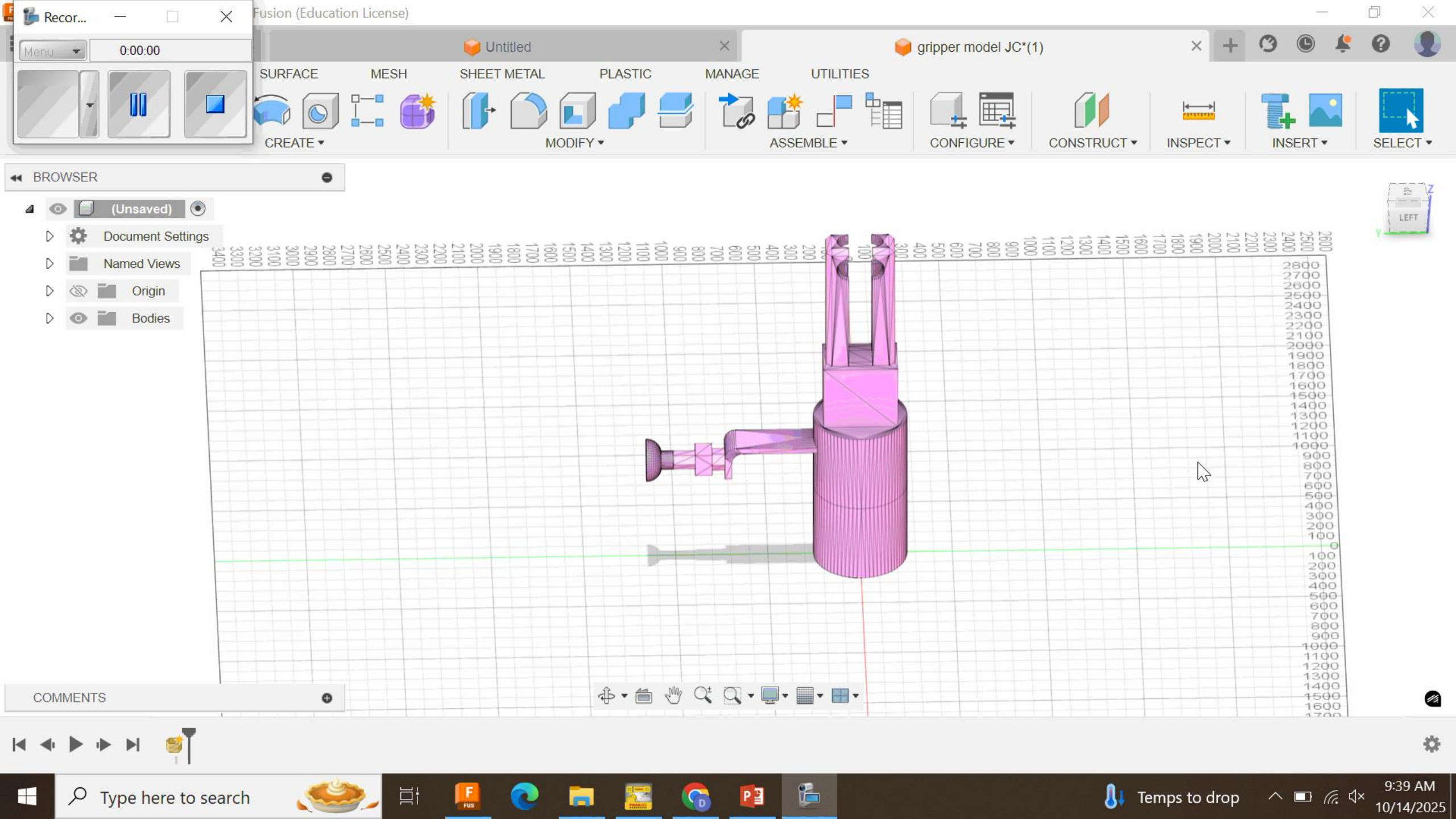
adam.jacobson@...
1sec. = 1000msec

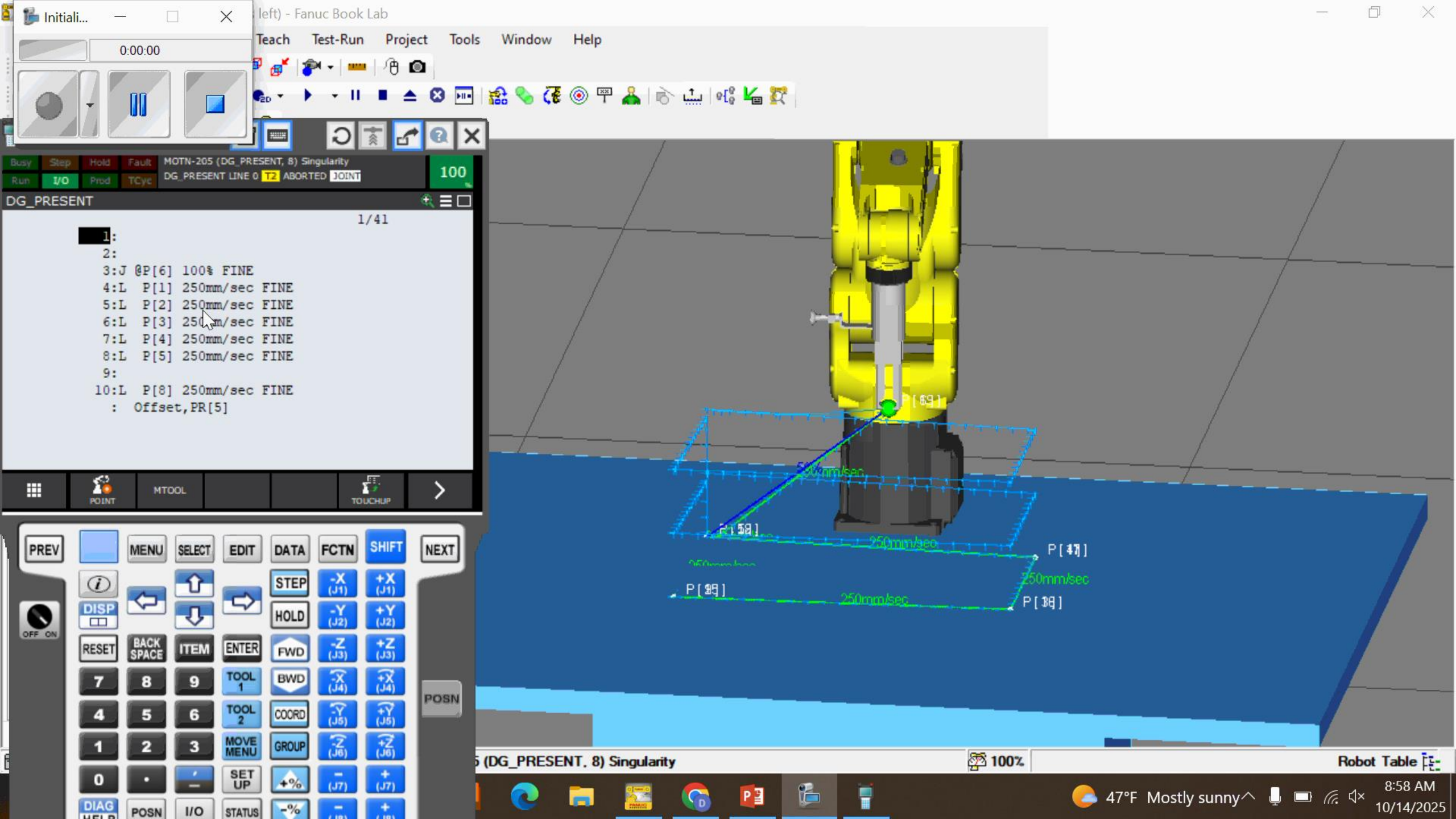
Infill
Material
Speed

.stp

Astoria
By: Peter Stark
Mysterious Case
of Rudolf Diesel
By: Douglas Brunt

B
Empire
B



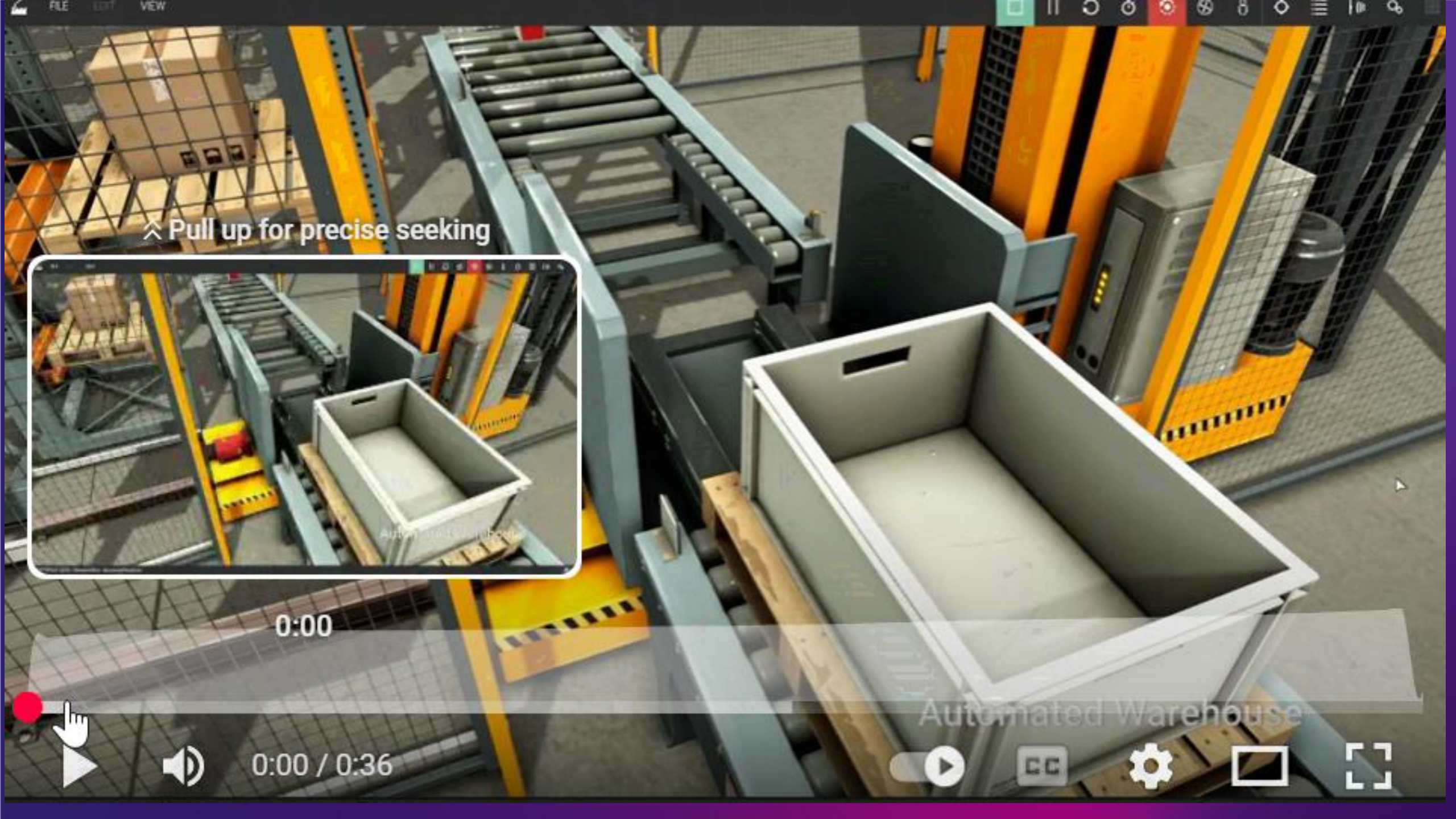


Entrepreneurship

View on mobile



CONTENT CREATORS



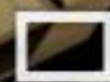
⤴ Pull up for precise seeking



0:00

Automated Warehouse

0:00 / 0:36





META QUEST 3





FIELD TRIPS

<https://youtube.com/shorts/3P70fyJLlwM?feature=share>



[HTTPS://YOUTU.BE/0PYVDI-BJAE?SI=DJ6-N5IFXDCHD7W5](https://youtu.be/0PYVDI-BJAE?si=DJ6-N5IFXDCHD7W5)

30 SEC

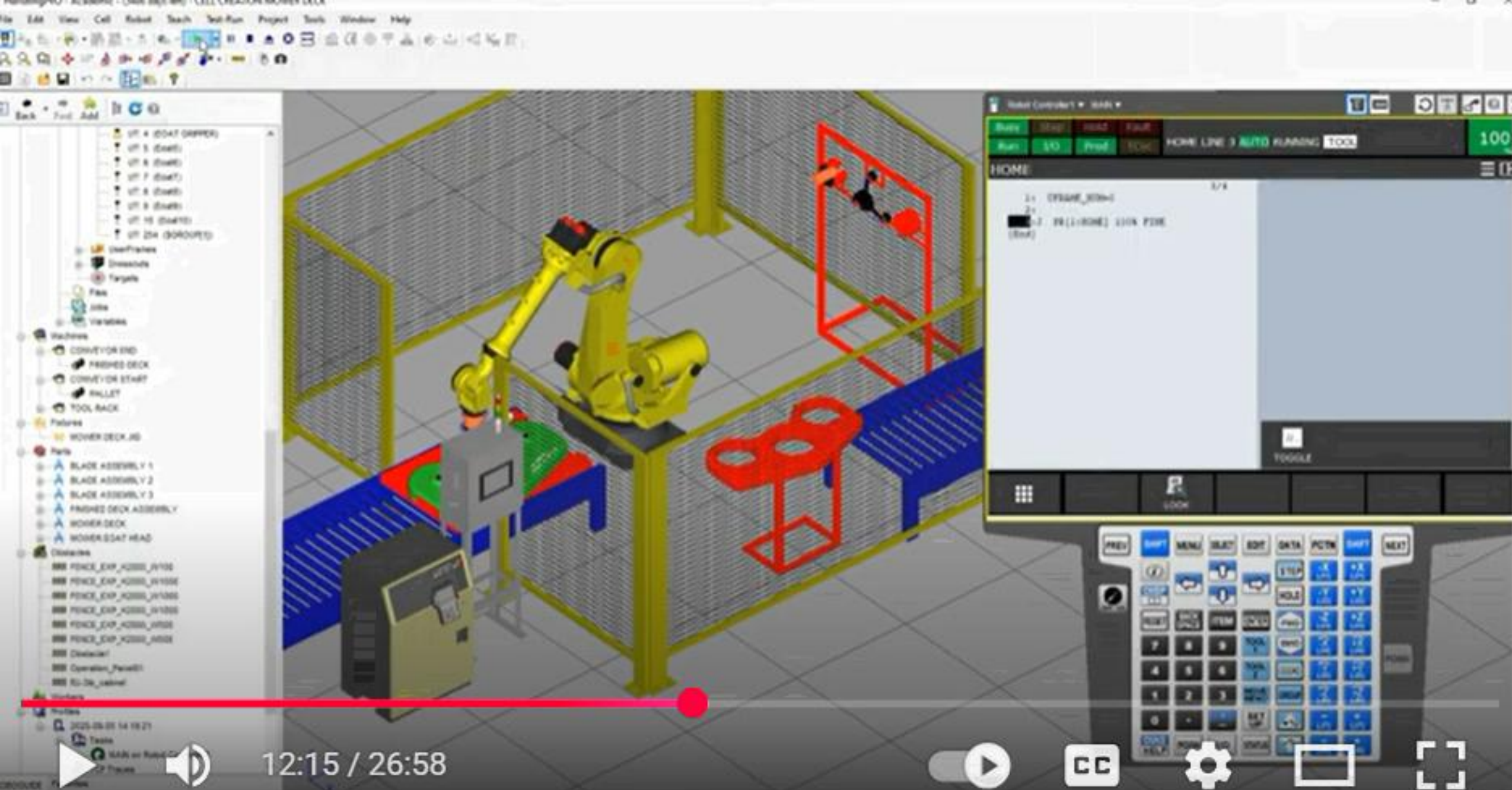


TECHNOLOGY

Build PC's and Compete



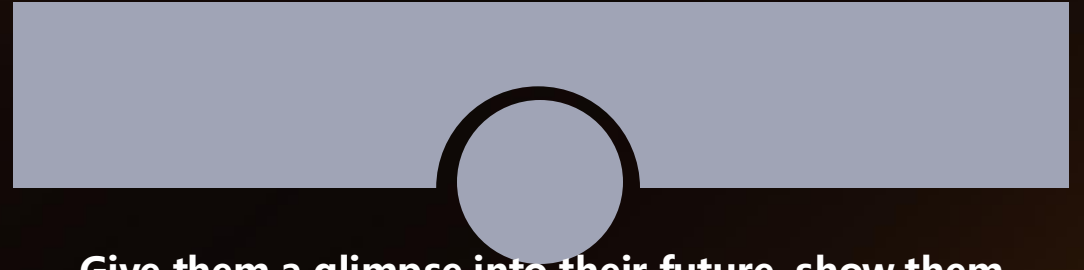
Build and Race Drones



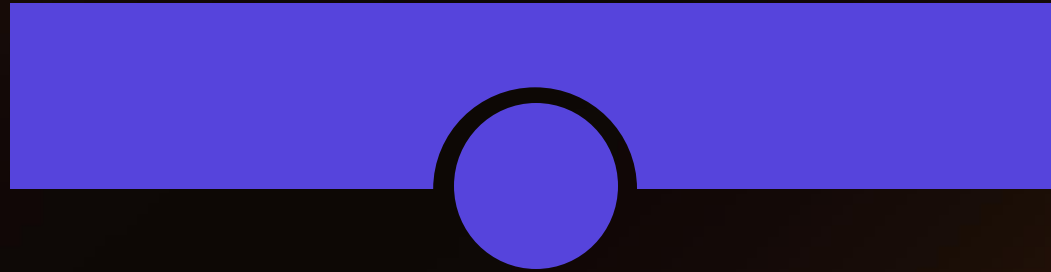
Skills for the Future



Make Learning FUN



Give them a glimpse into their future, show them what they are capable of.



Be the teacher I WISHED I HAD!

2021 - 2025

Graduates in the Industry

39
GRADUATES

13
COMPANIES

\$19.00 -
\$34.00

How we built our funnel: Advisory Committee Members

01



We start with students going out to work with partner companies throughout the school year to gain knowledge and experience.

Co-ops During the School Year

02



Based on their work ethic and adaptability, our partners will offer a full-time employment opportunity to the students.

Internships / Full-Time Employment







Robot: P200
Task: G

Part: T-Steel
Gripper Open /
CNC Door
Clamp / Unclamp
Air Switch
Gripper Position Set

CALIB
AIR
ULTRA QUIET & OIL-FREE

Contact Me:

Any need to reach out:

- Companies looking for a partnership
- Teachers looking for Ideas
- Customers wanting solutions



Dayonte Grimes

Career and Technical Education
Supervisor for the Lapeer Communit...





Questions and Answers

PART 07

THANKS

