

GALAK-Z:

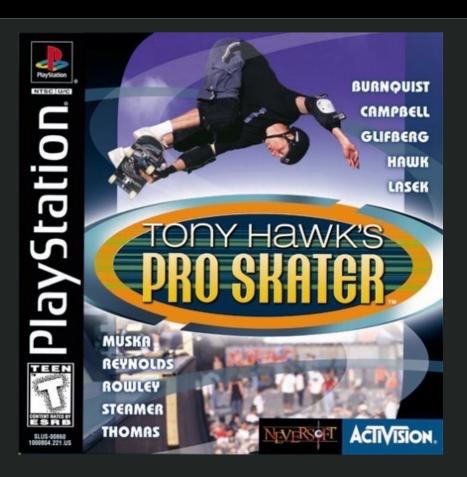
Flying by the Seat of Our Pants

Raj Joshi

Studio Director @ 17-BIT

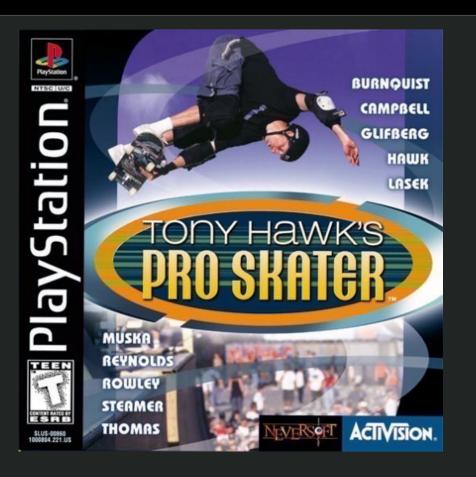








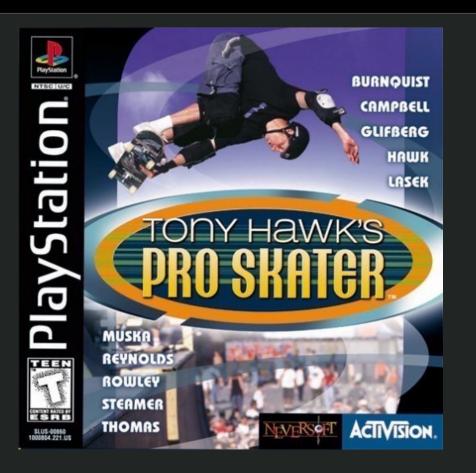










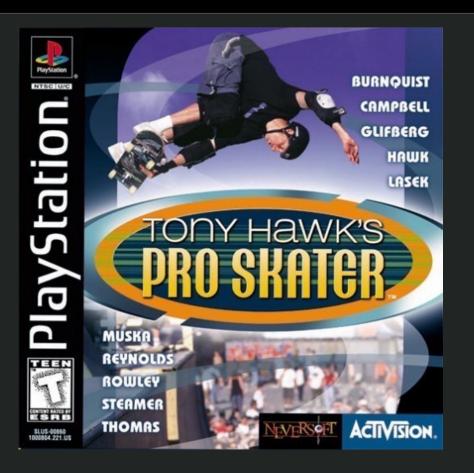






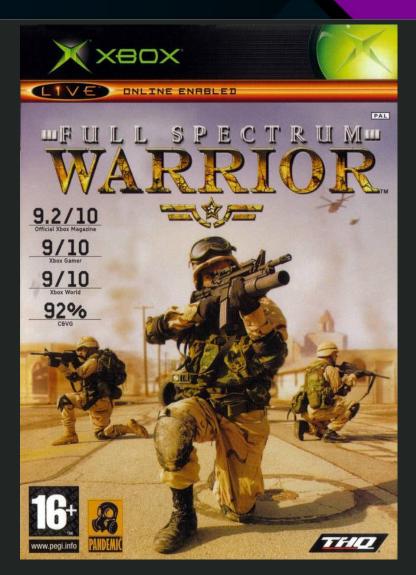






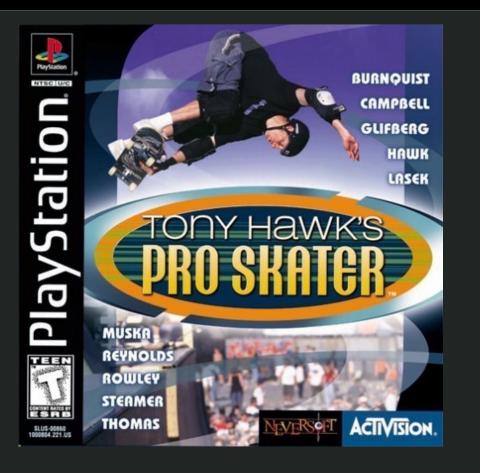






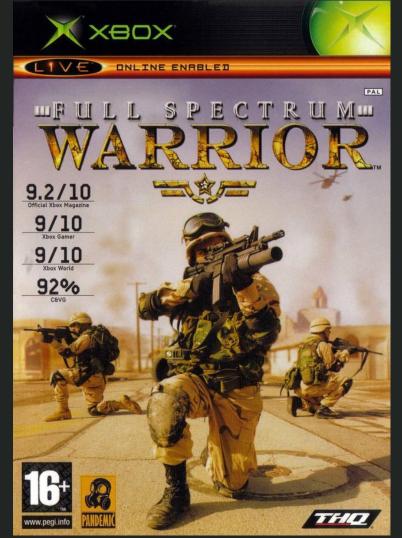


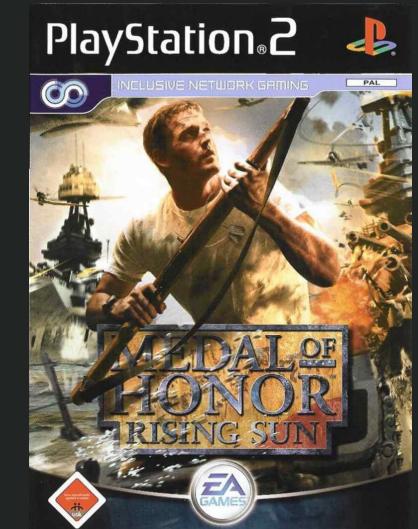






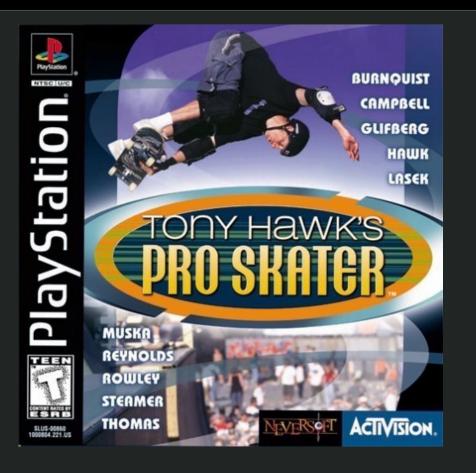






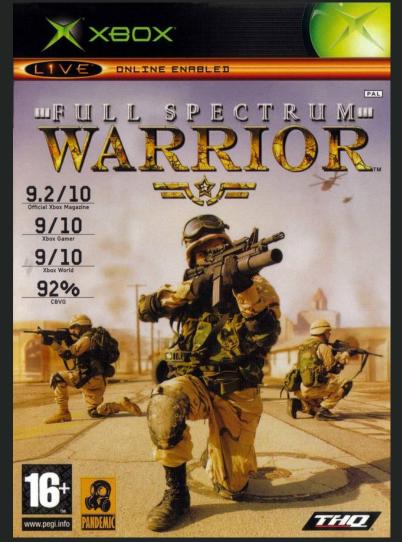


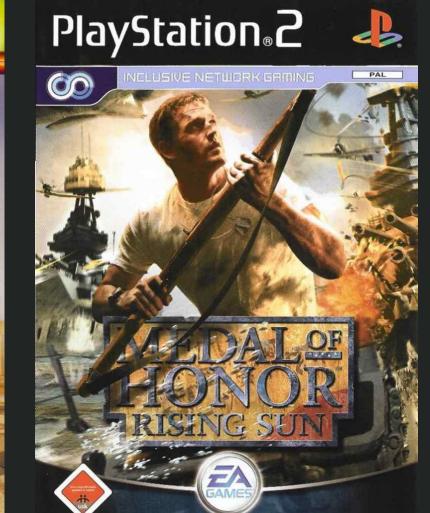


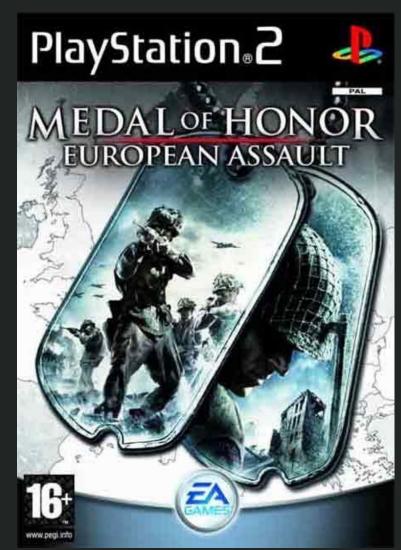






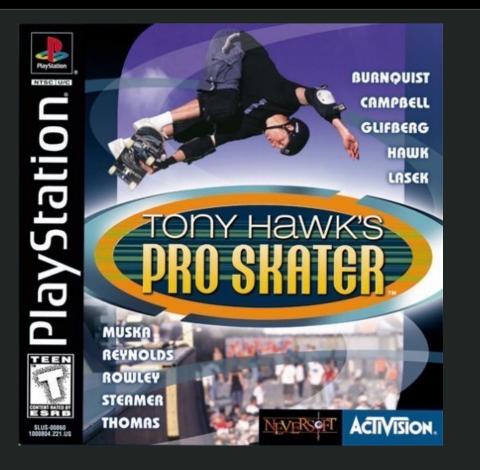






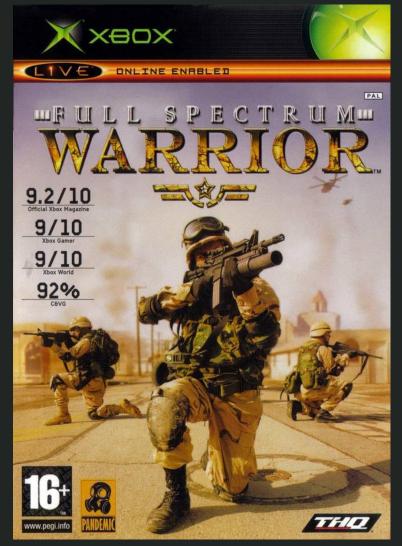


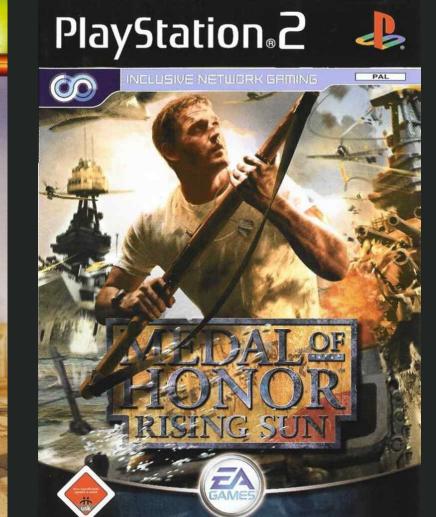
## GDC \*

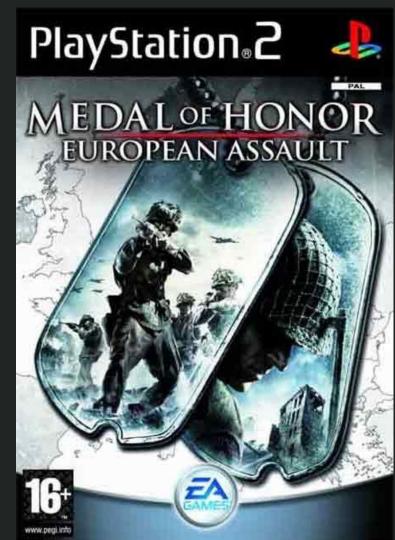


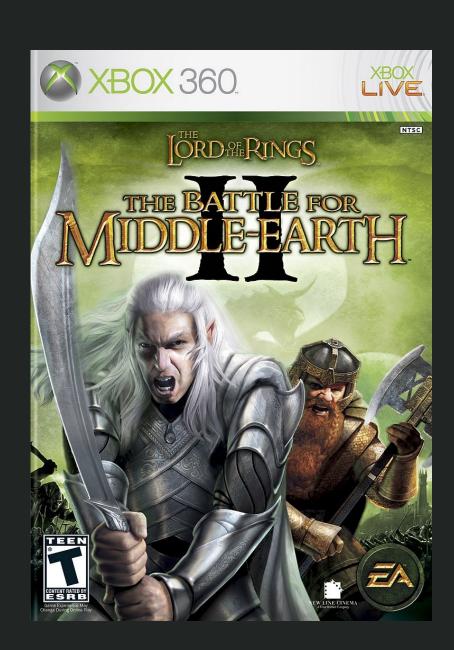




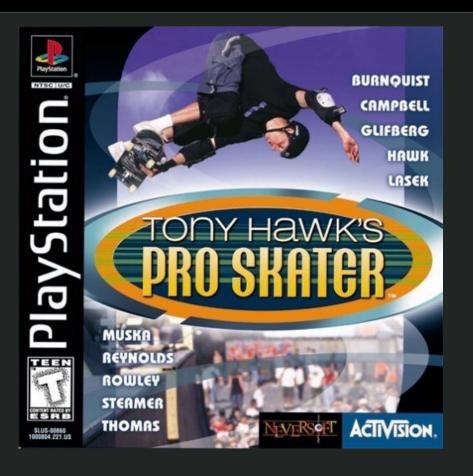






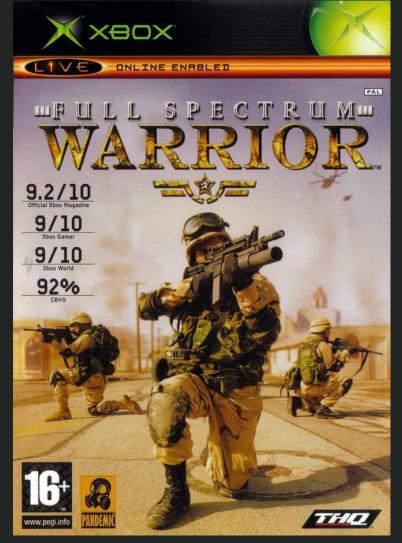


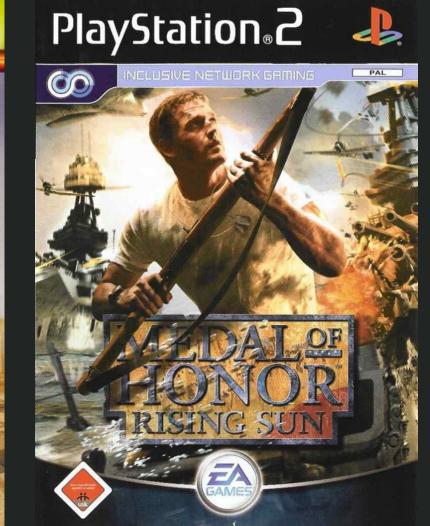
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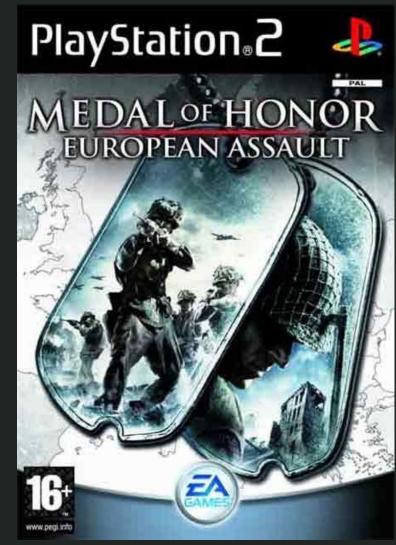




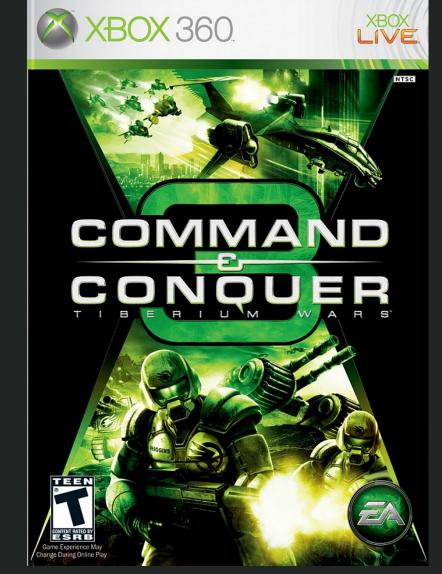






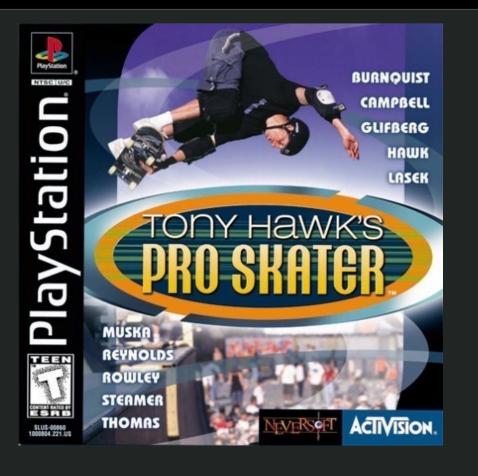






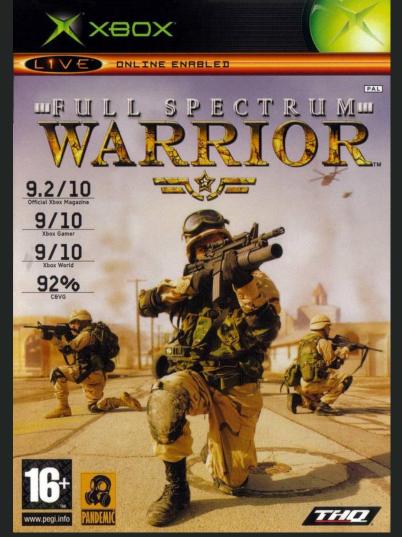


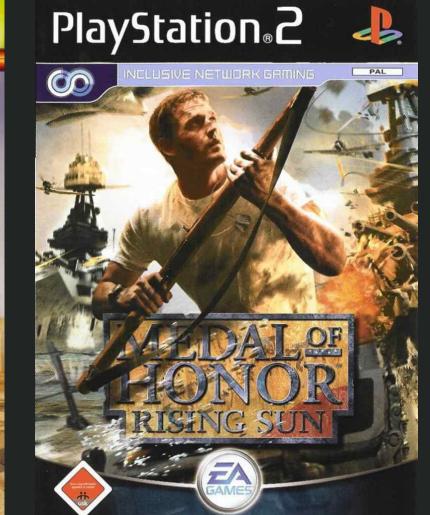
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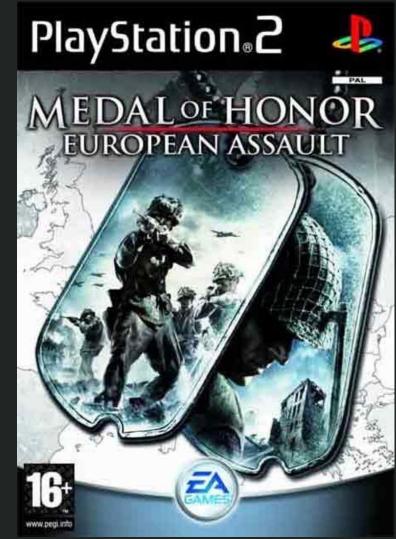




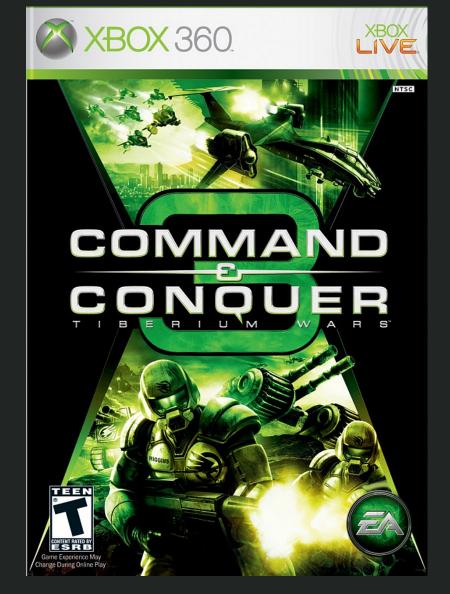








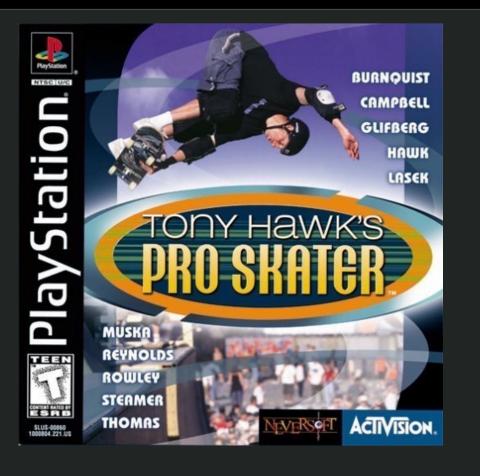






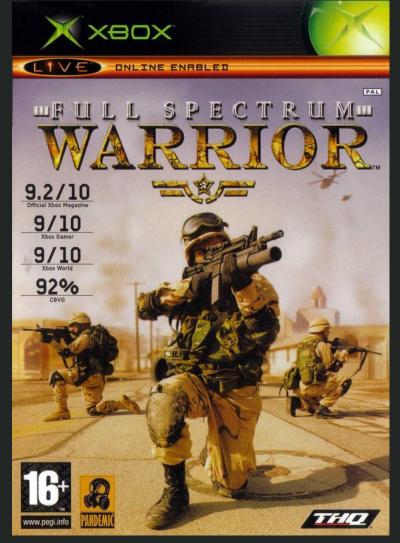


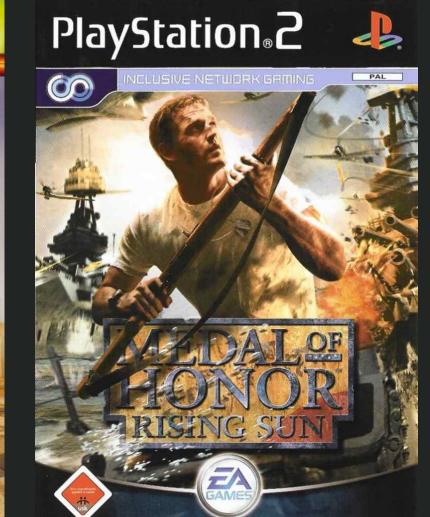
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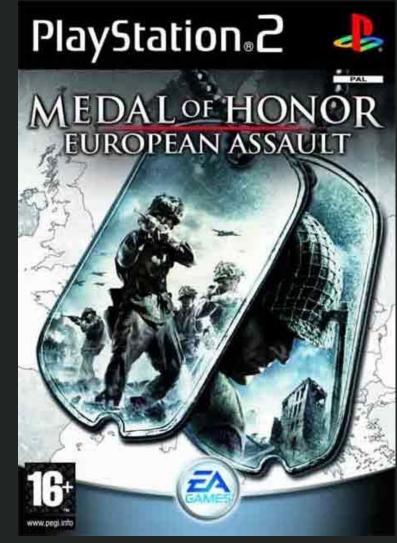


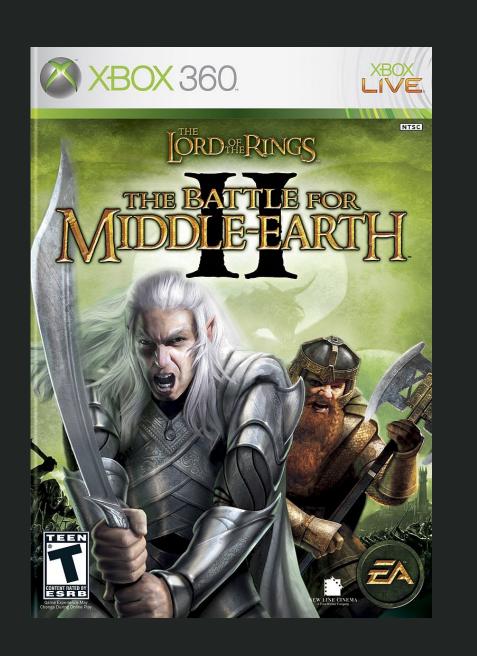


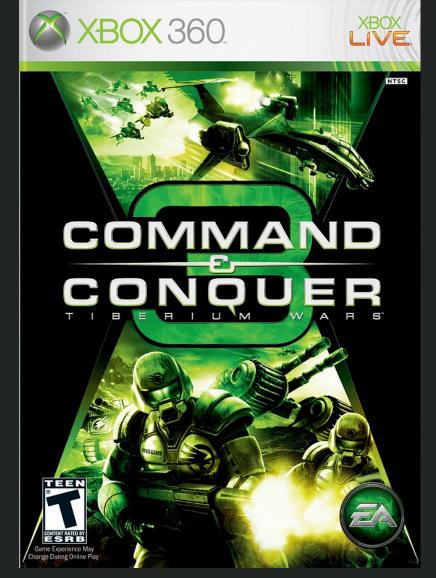


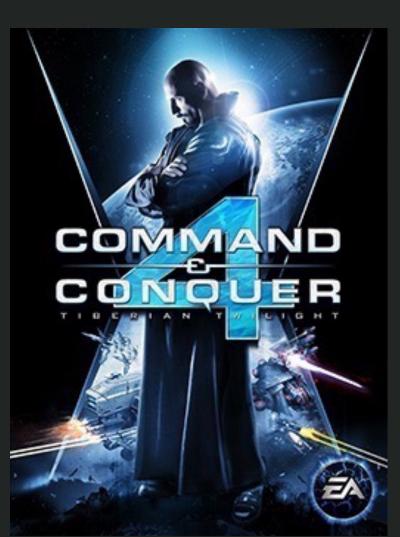










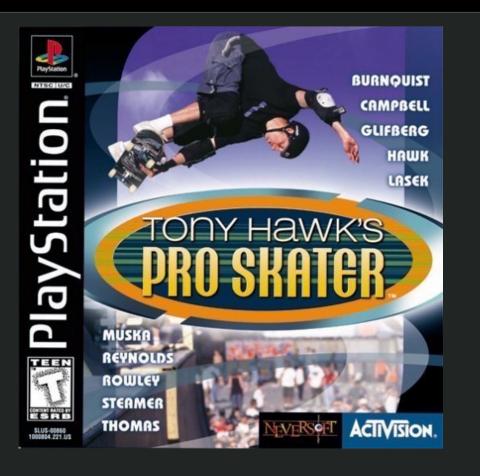






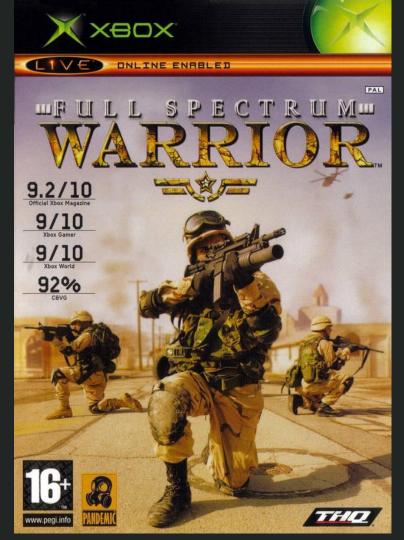


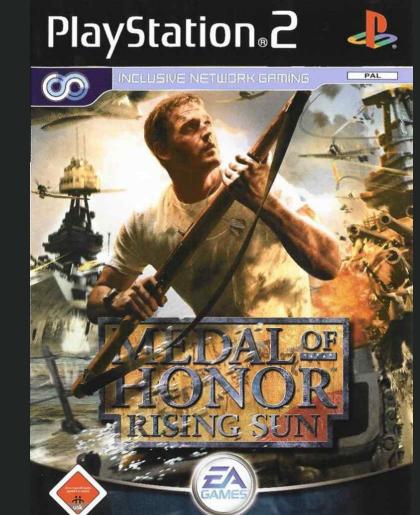
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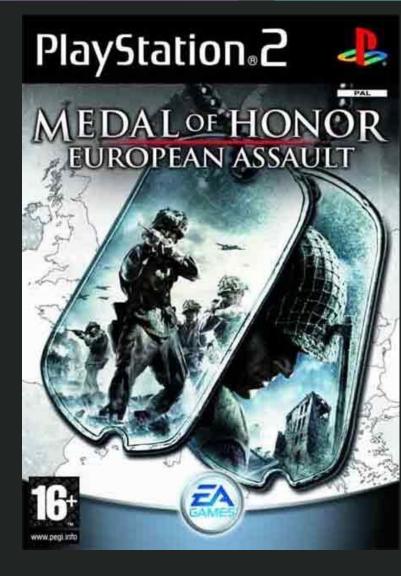




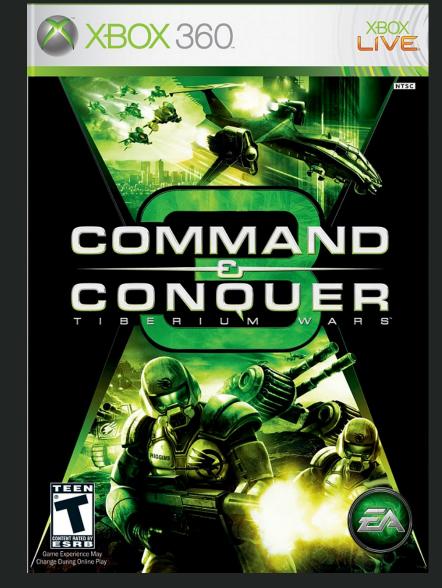


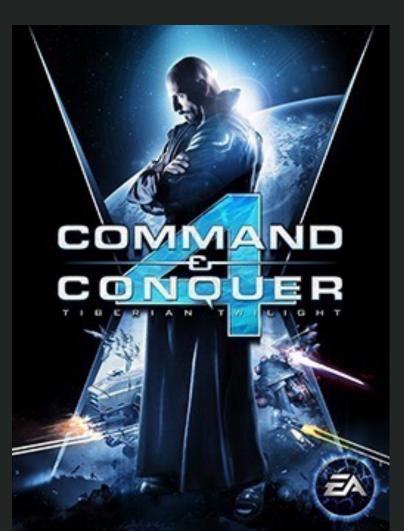
















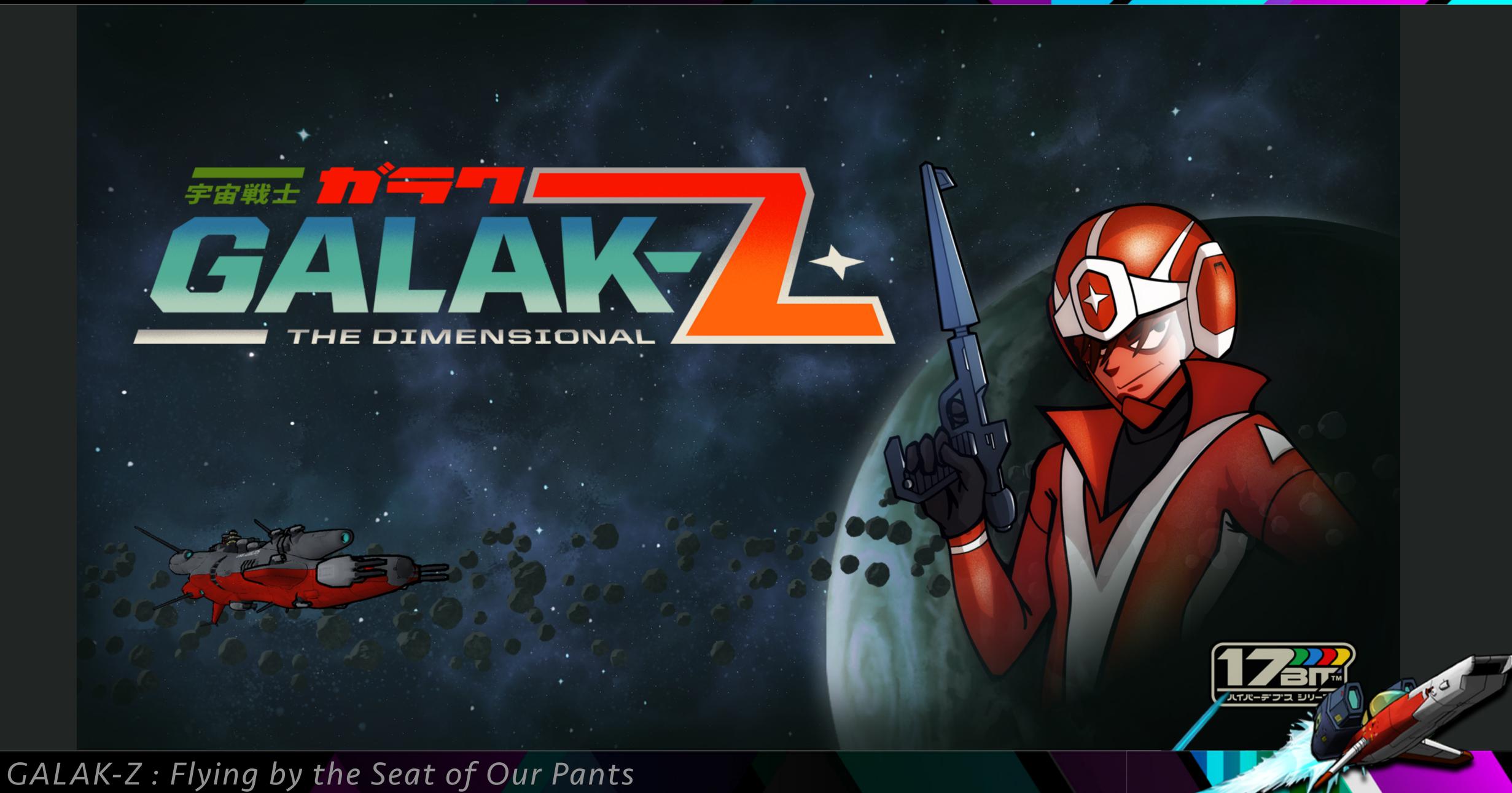










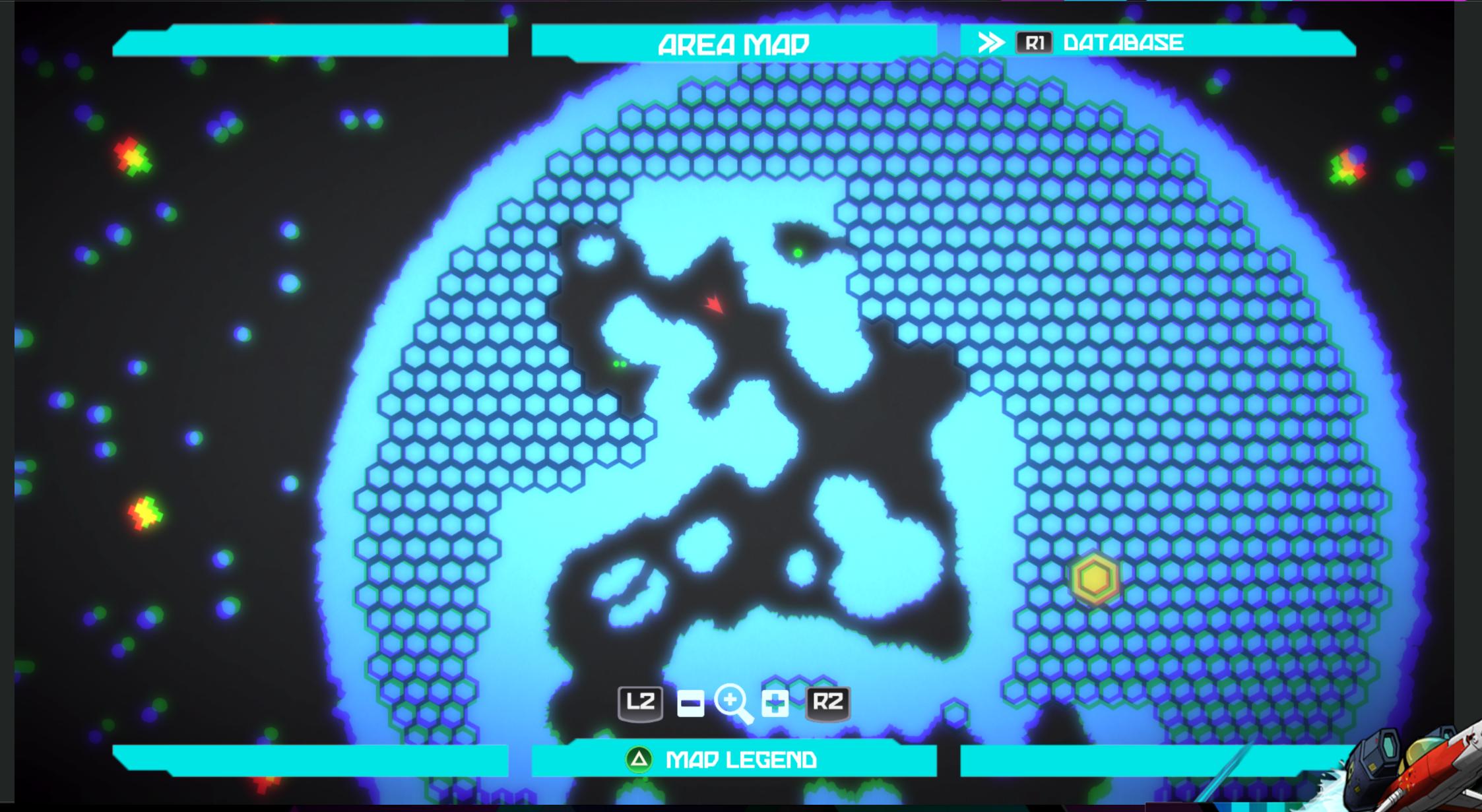












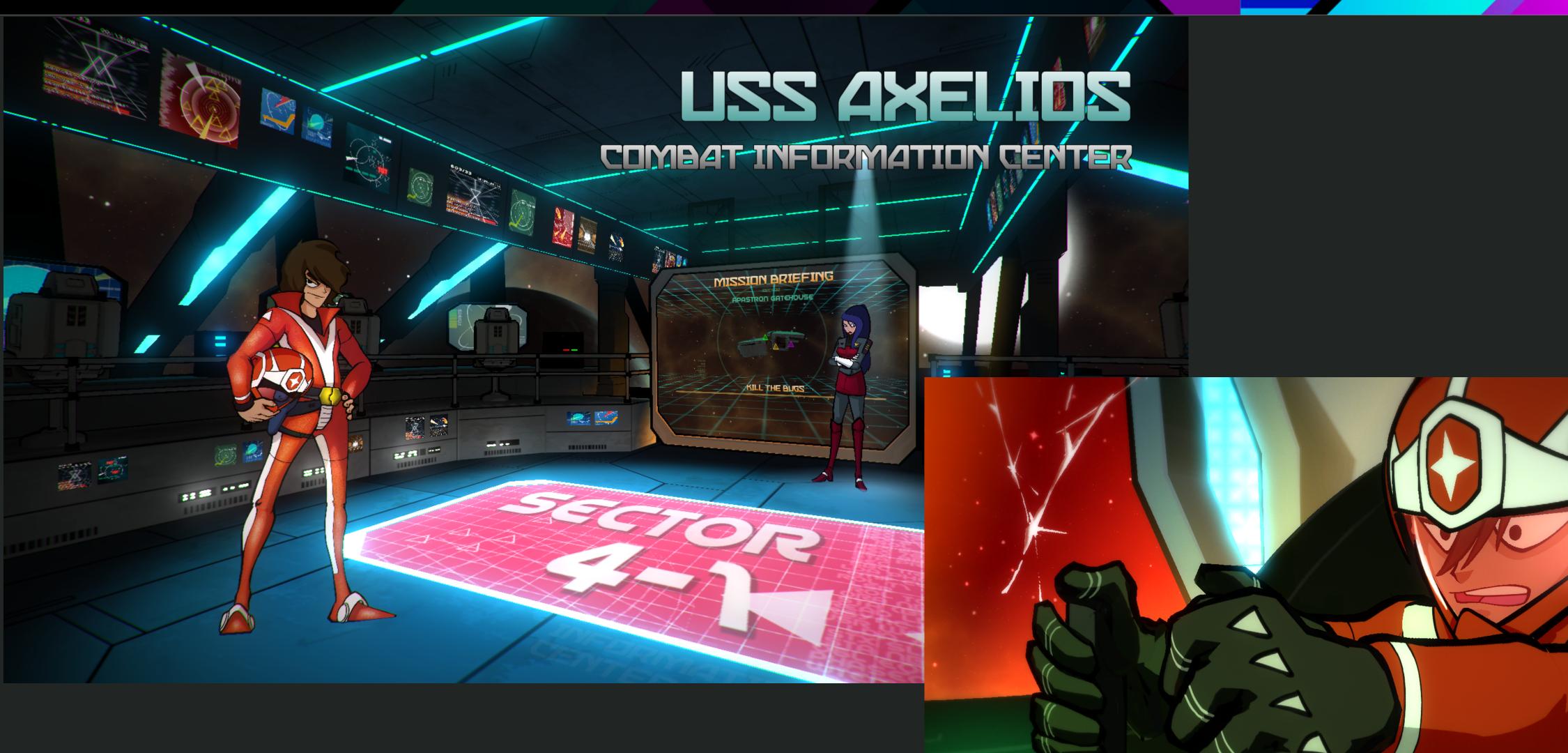












GALAK-Z: Flying by the Seat of Our Pants







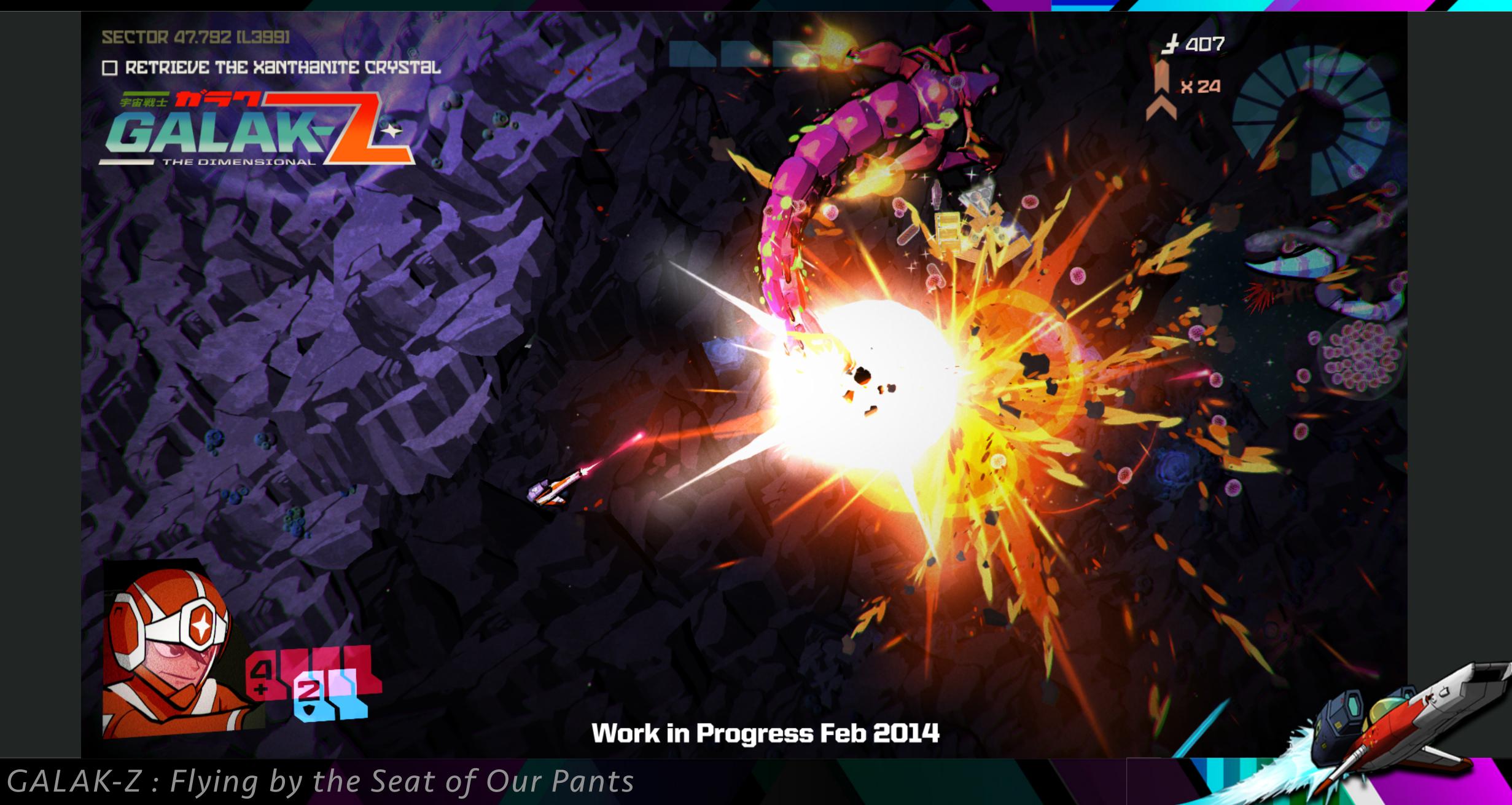






GALAK-Z: Flying by the Seat of Our Pants





















DICE 19 ANNUAL AWARDS

Sprite Award Nomination

J

"There are a thousand little points of tension beyond the "die and restart" loop, and that's what helps GALAK-Z stand comfortably among the best roguelikes ever created."

9.0 - Polygon

"The amount of love and effort that went into crafting GALAK-Z is plainly evident...17-Bit has produced nothing short of a masterpiece."

90 - Hardcore Gamer

"GALAK-Z's controls are smartly designed and responsive... What really pushes it to the next level is the tremendous amount of detail put into the enemy design and the combat."

90 - *US Gamer* 







#### What Didn't Work and Why







What We Did to Make Things Work

















#### What Didn't Work and Why







#### What Didn't Work and Why

## Goal: Roundout the X-Level





#### X-Level

Prove Out Major Systems Establish and Implement Core Aesthetic Showcase Representative Gameplay

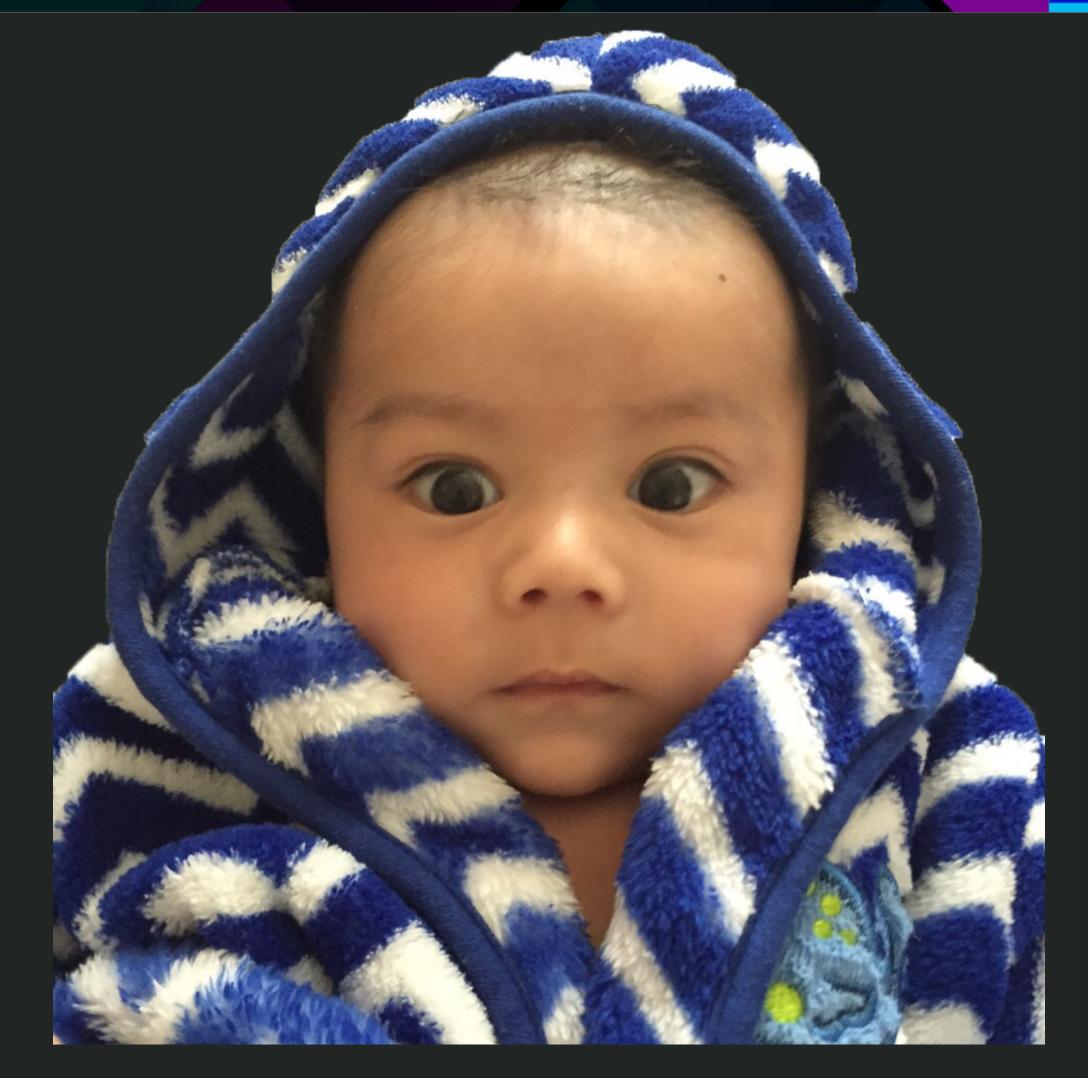
#### Snapshot of the Game as a Whole







## GDC\* What Didn't Work and Why



# Big Trouble in Little GDD

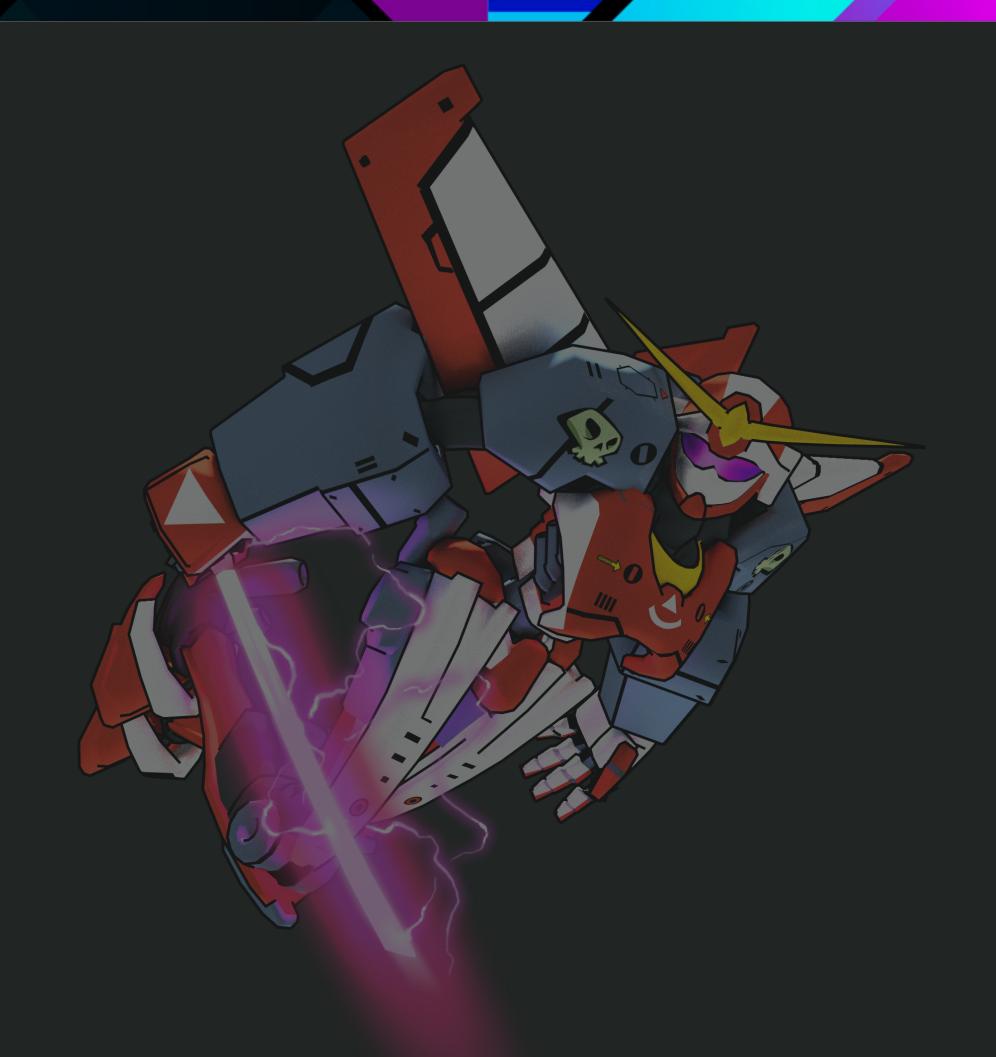


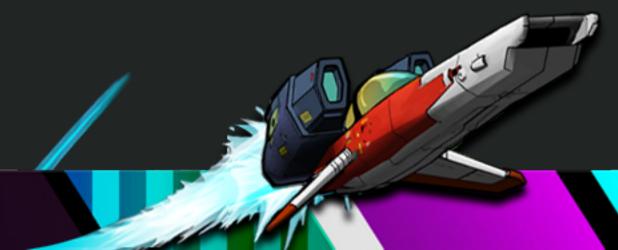




## GDC What Didn't Work and Why

#### No GDD









#### GDC What Didn't Work and Why

#### No GDD

No Reference Data for Time Estimates









#### GDC\* What Didn't Work and Why

No GDD No Reference Data for Time Estimates First Time for Everything

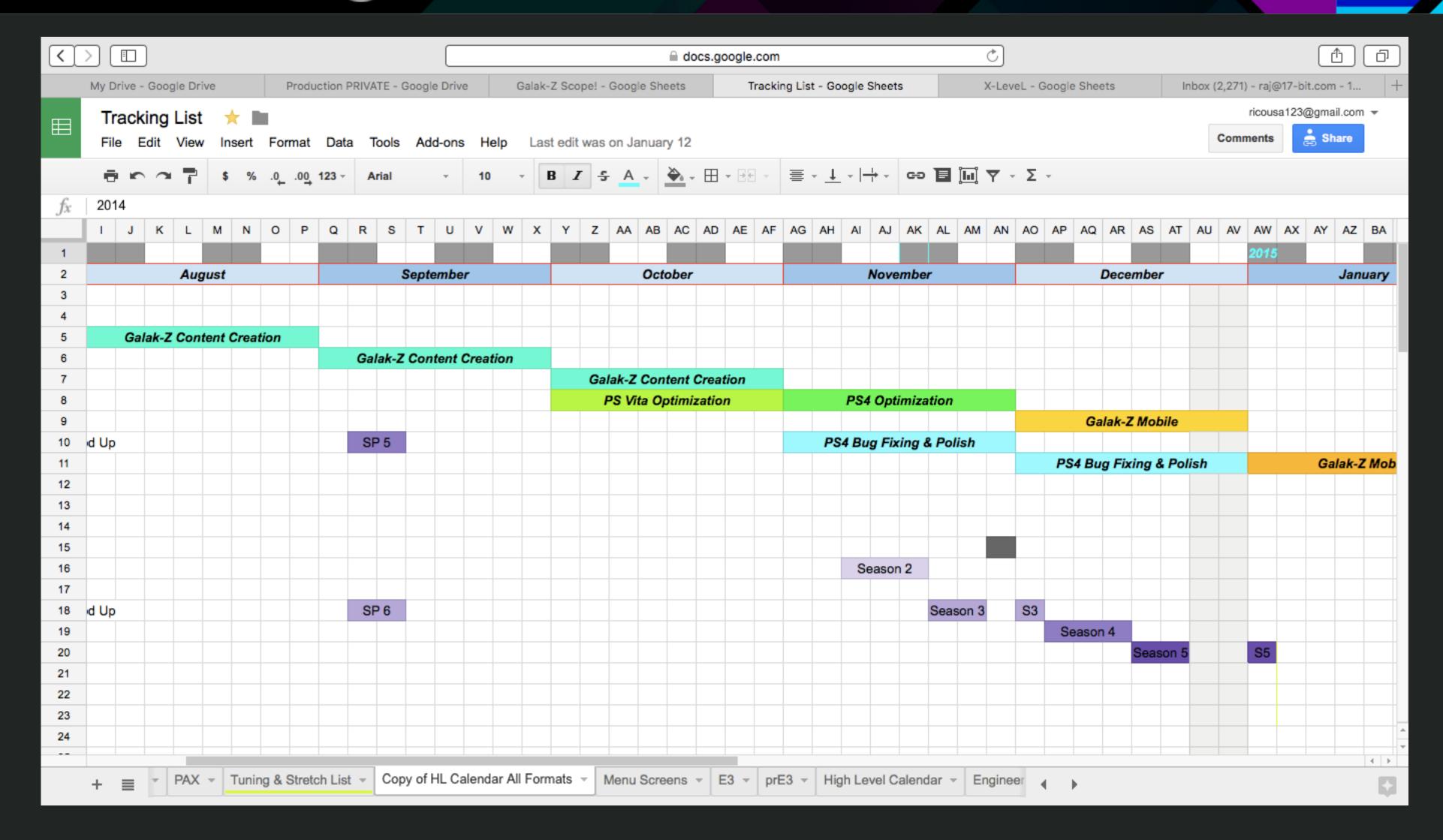








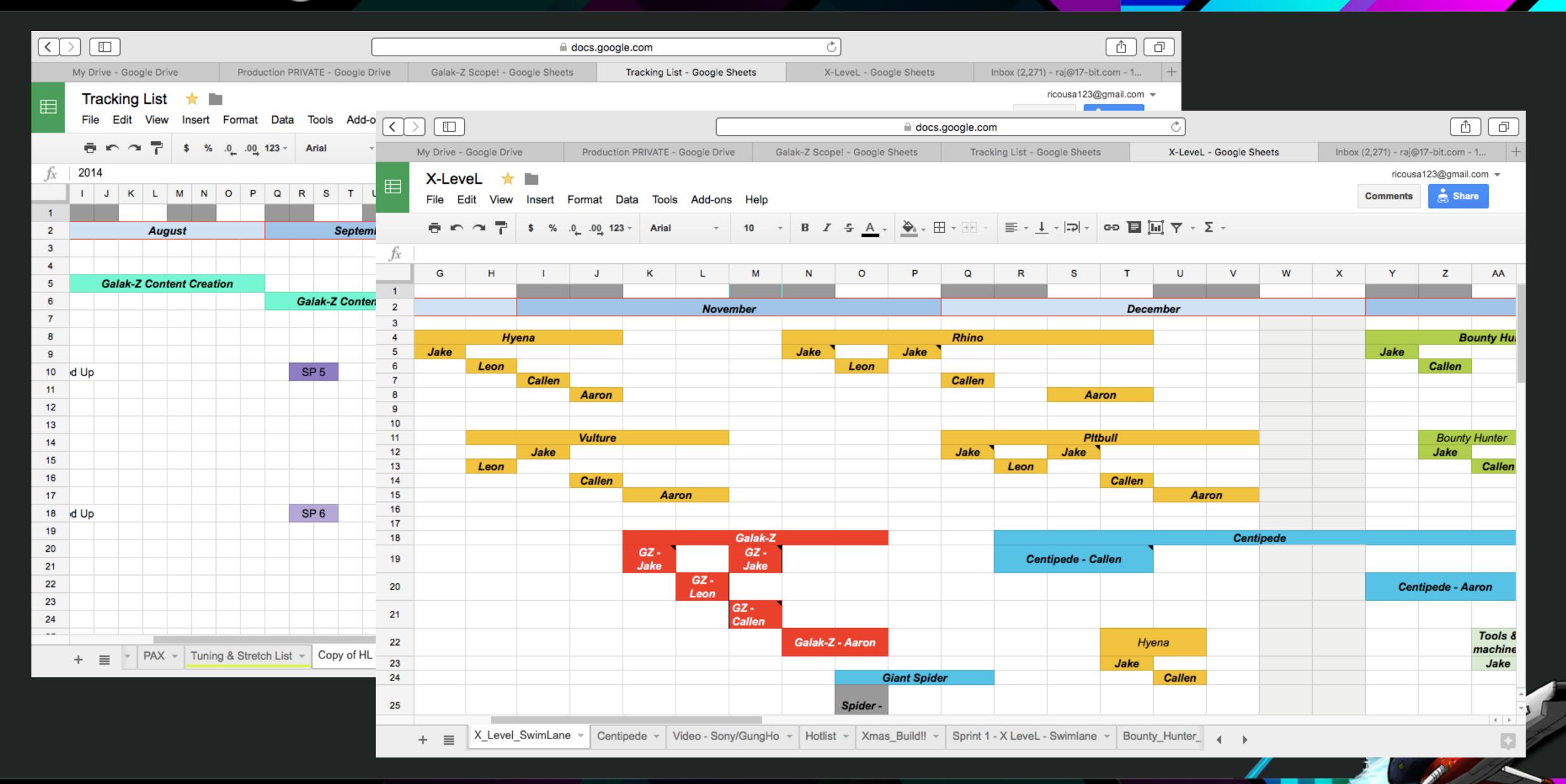
#### (Z) What Didn't Work and Why















No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features









No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out









No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time









No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor

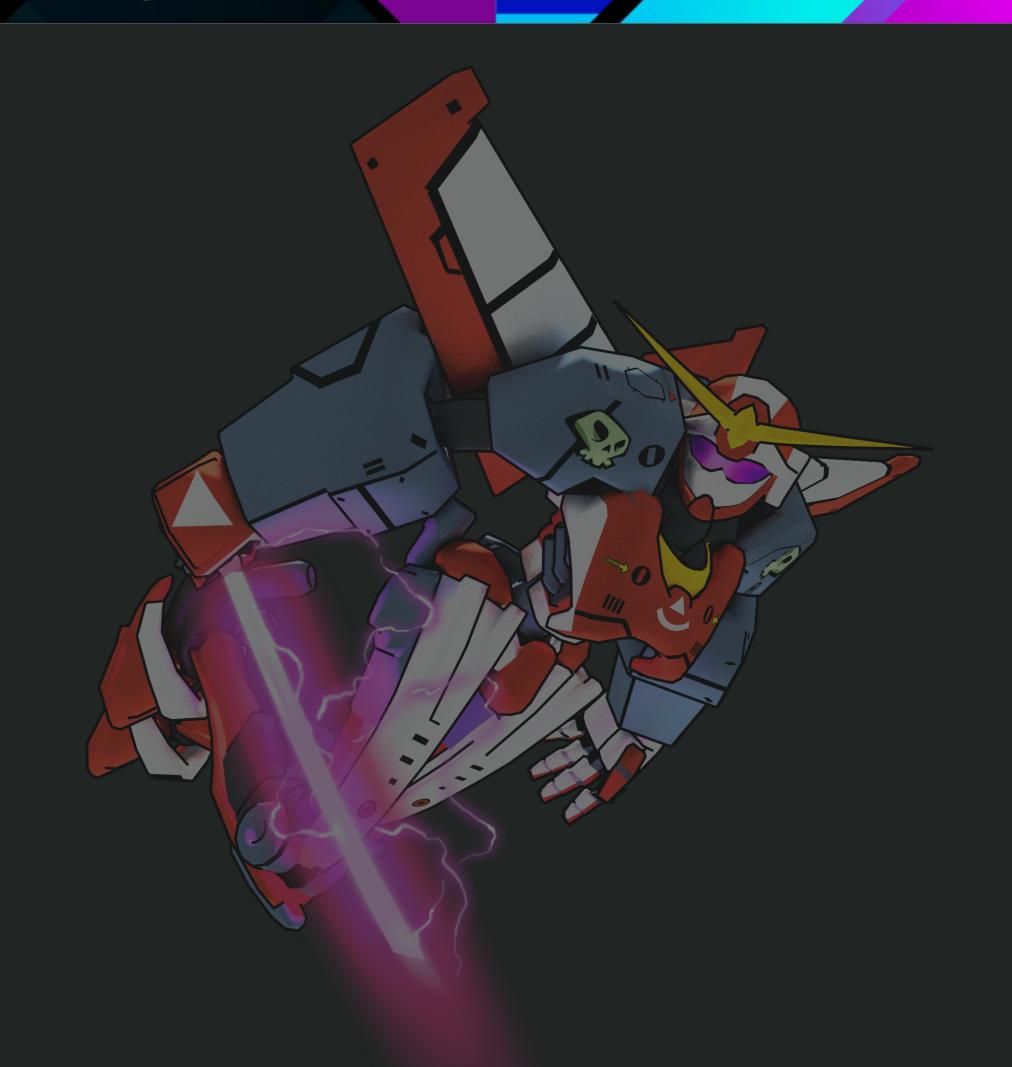








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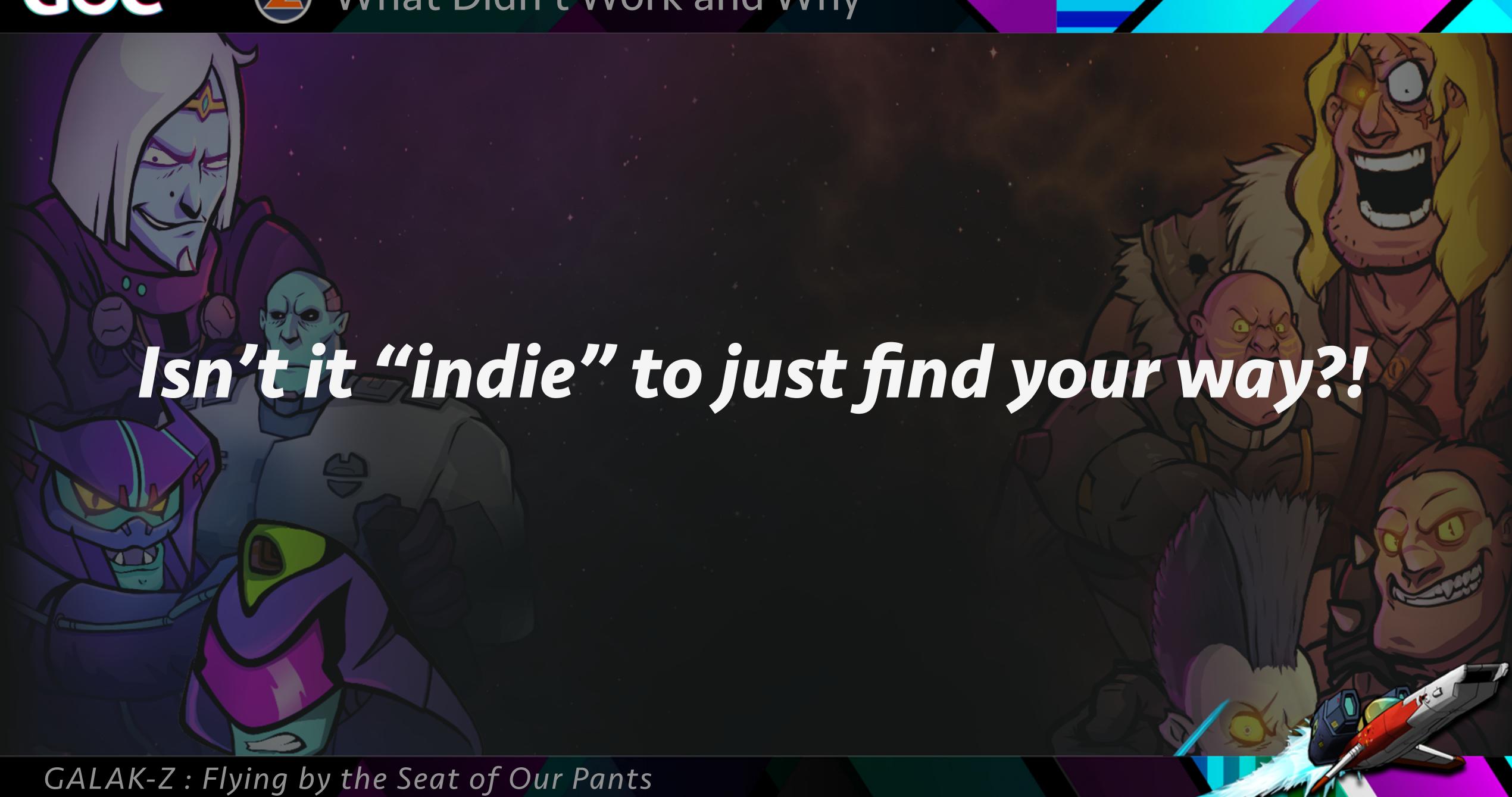
No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor Endless Prototype Mode

Hands Solo













No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor Endless Prototype Mode

Hands Solo Not Following Best Practices







No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor Endless Prototype Mode

Hands Solo Not Following Best Practices Mission Unclear







No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor Endless Prototype Mode

Hands Solo Not Following Best Practices Mission Unclear Communication Not Guaranteed







No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor Endless Prototype Mode

Hands Solo Not Following Best Practices Mission Unclear Communication Not Guaranteed Overloaded







No GDD No Reference Data for Time Estimates First Time for Everything Hidden and Forgotten Features Working from the Inside Out No Way to Gauge Time Story Stalled .. Lost Our Anchor Endless Prototype Mode

Hands Solo Not Following Best Practices Mission Unclear Communication Not Guaranteed Overloaded Fatigued









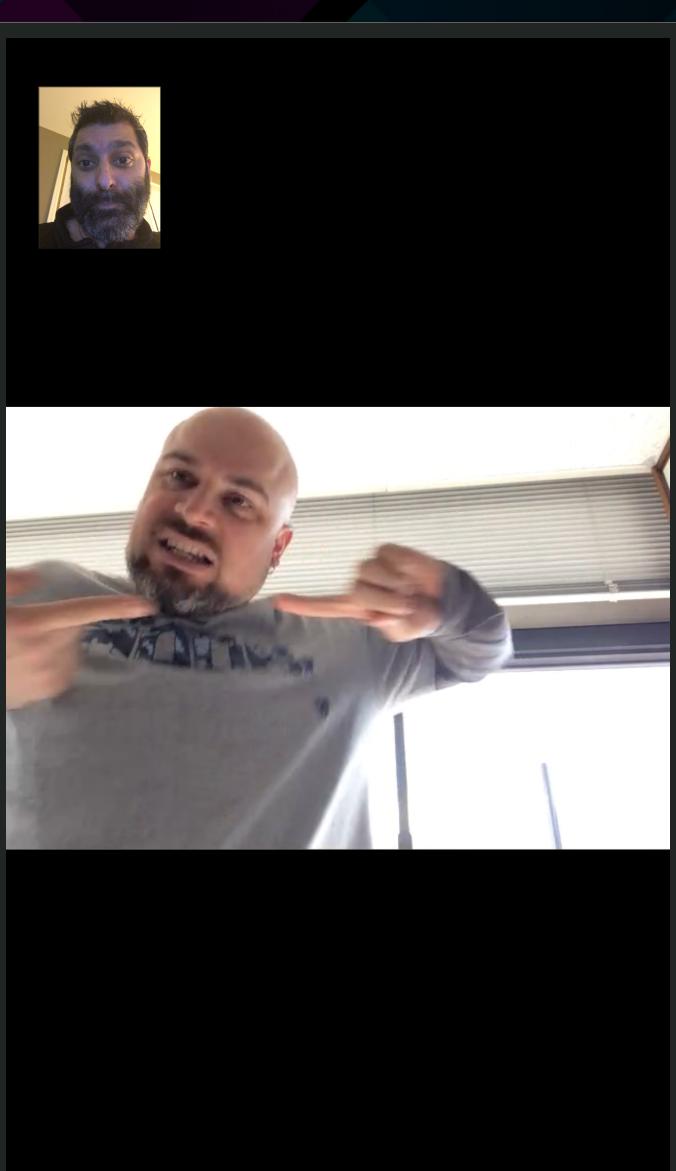












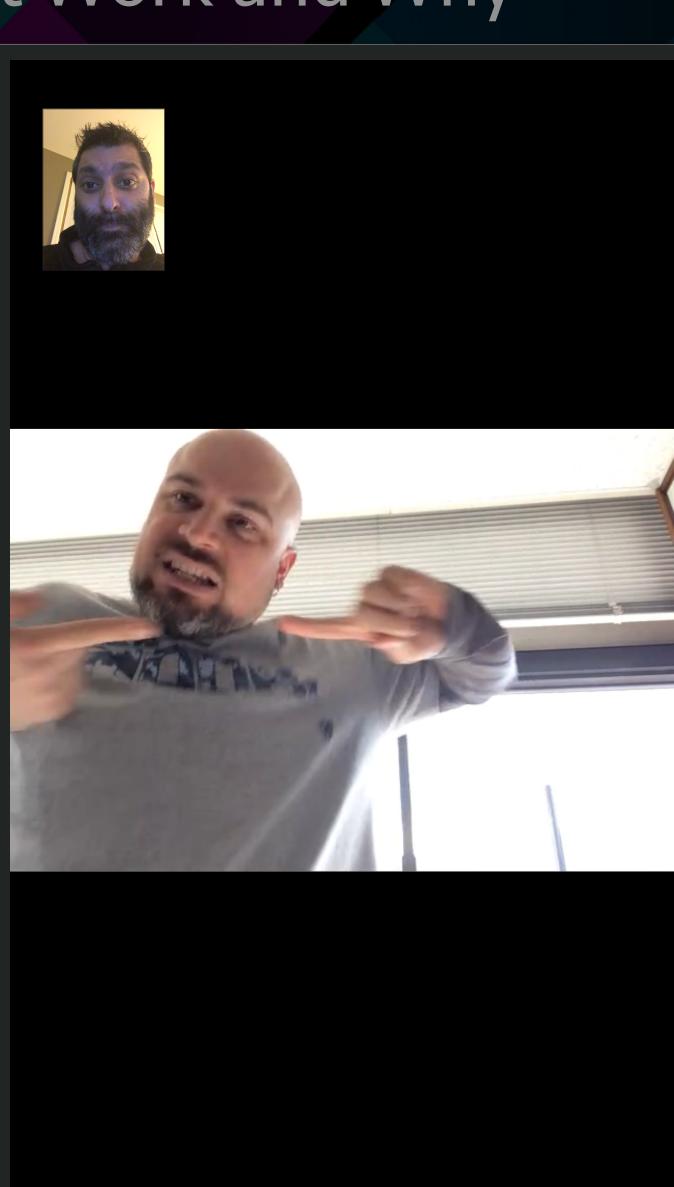














GALAK-Z: Flying by the Seat of Our Pants





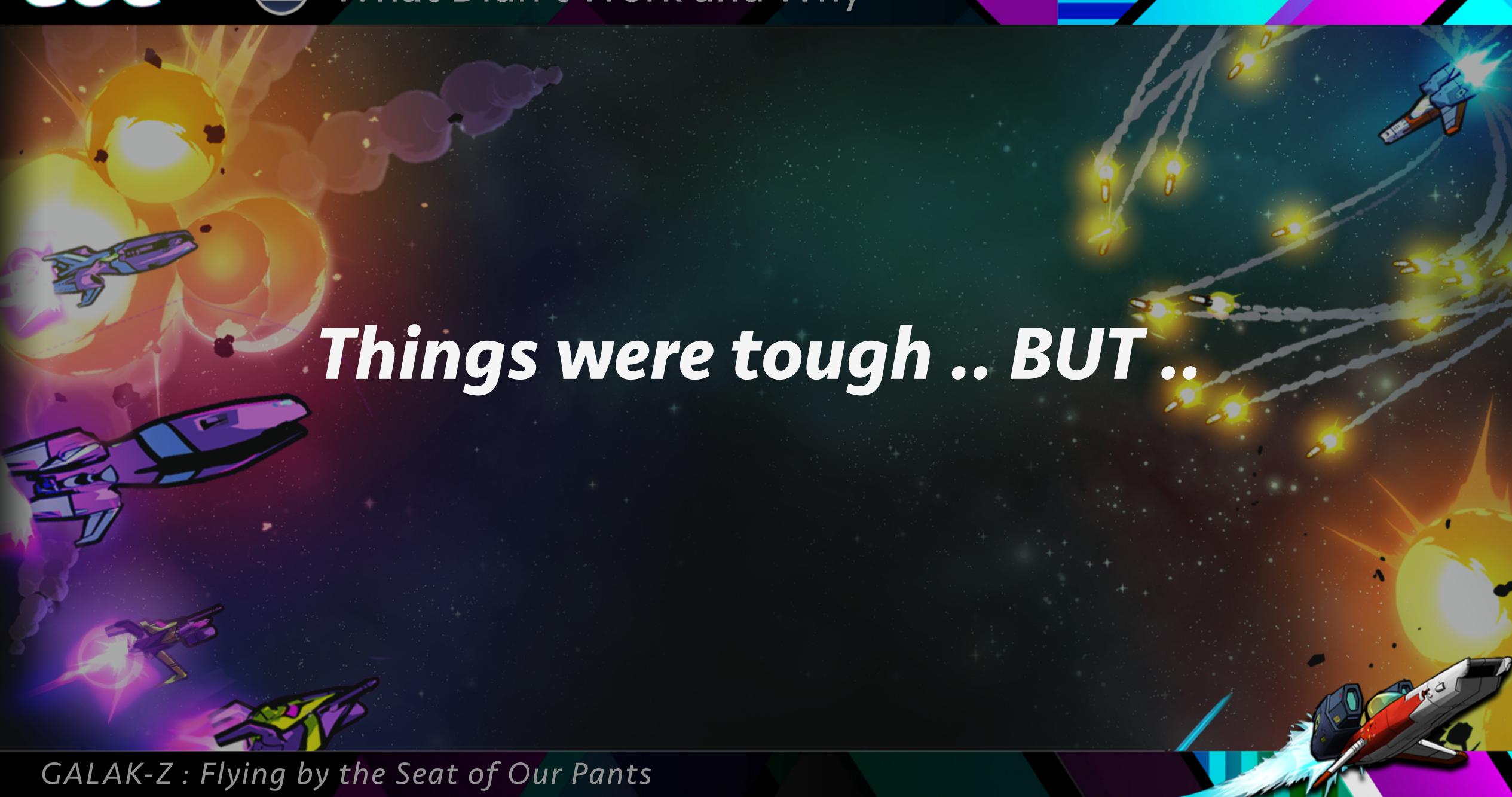
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Hands Solo Not Following Best Practices Mission Unclear Communication Not Guaranteed Overloaded Fatigued Creative/Art Director Overseas

















#### Turned Problems into Opportunities









Turned Problems into Opportunities Listened to the Game









Turned Problems into Opportunities Listened to the Game Long Live Prototype Mode









Turned Problems into Opportunities Listened to the Game Long Live Prototype Mode Got It All Captured





Turned Problems
into Opportunities
Listened to the Game
Long Live Prototype Mode
Got It All Captured
Embraced Forgotten Features







Turned Problems into Opportunities Listened to the Game Long Live Prototype Mode Got It All Captured Embraced Forgotten Features GDD and Shared Understanding



Turned Problems into Opportunities Listened to the Game Long Live Prototype Mode Got It All Captured Embraced Forgotten Features GDD and Shared Understanding Empowerment





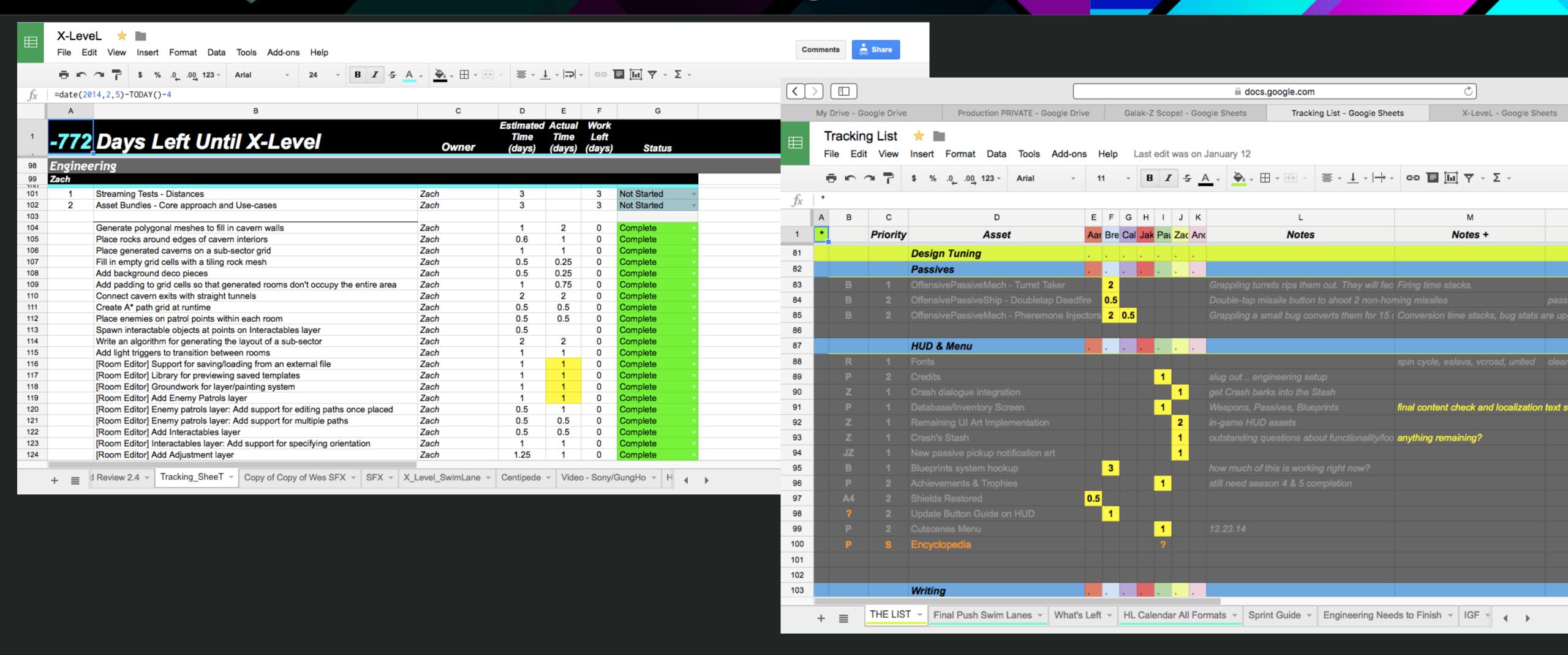


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			Estimated		Work		
1	-772 Days Left Until X-Level	Owner	Time (days)	Time (days)	Left (days)	Status	Notes
98	Engineering						
	Zach						
101	1 Streaming Tests - Distances	Zach	3		3	Not Started	
102	2 Asset Bundles - Core approach and Use-cases	Zach	3		3	Not Started    Very started   Very started	
103							
104	Generate polygonal meshes to fill in cavern walls	Zach	1	2	0	Complete	
105	Place rocks around edges of cavern interiors	Zach	0.6	1	0	Complete	
106	Place generated caverns on a sub-sector grid	Zach	1	1	0	Complete	
107	Fill in empty grid cells with a tiling rock mesh	Zach	0.5	0.25	0	Complete	
108	Add background deco pieces	Zach	0.5	0.25	0	Complete	
109	Add padding to grid cells so that generated rooms don't occupy the entire area	Zach	1	0.75	0	Complete	
110	Connect cavern exits with straight tunnels	Zach	2	2	0	Complete	
111	Create A* path grid at runtime	Zach	0.5	0.5	0	Complete	
112	Place enemies on patrol points within each room	Zach	0.5	0.5	0	Complete	
113	Spawn interactable objects at points on Interactables layer	Zach	0.5		0	Complete	
114	Write an algorithm for generating the layout of a sub-sector	Zach	2	2	0	Complete	
115	Add light triggers to transition between rooms	Zach	1	1	0	Complete	
116	[Room Editor] Support for saving/loading from an external file	Zach	1	1	0	Complete	
117	[Room Editor] Library for previewing saved templates	Zach	1	1	0	Complete	
118	[Room Editor] Groundwork for layer/painting system	Zach	1	1	0	Complete	
119	[Room Editor] Add Enemy Patrols layer	Zach	1	1	0	Complete	
120	[Room Editor] Enemy patrols layer: Add support for editing paths once placed	Zach	0.5	1	0	Complete	
121	[Room Editor] Enemy patrols layer: Add support for multiple paths	Zach	0.5	0.5	0	Complete	
122	[Room Editor] Add Interactables layer	Zach	0.5	0.5	0	Complete	
123	[Room Editor] Interactables layer: Add support for specifying orientation	Zach	1	1	0	Complete	A
124	[Room Editor] Add Adjustment layer	Zach	1.25	1	0	Complete	,
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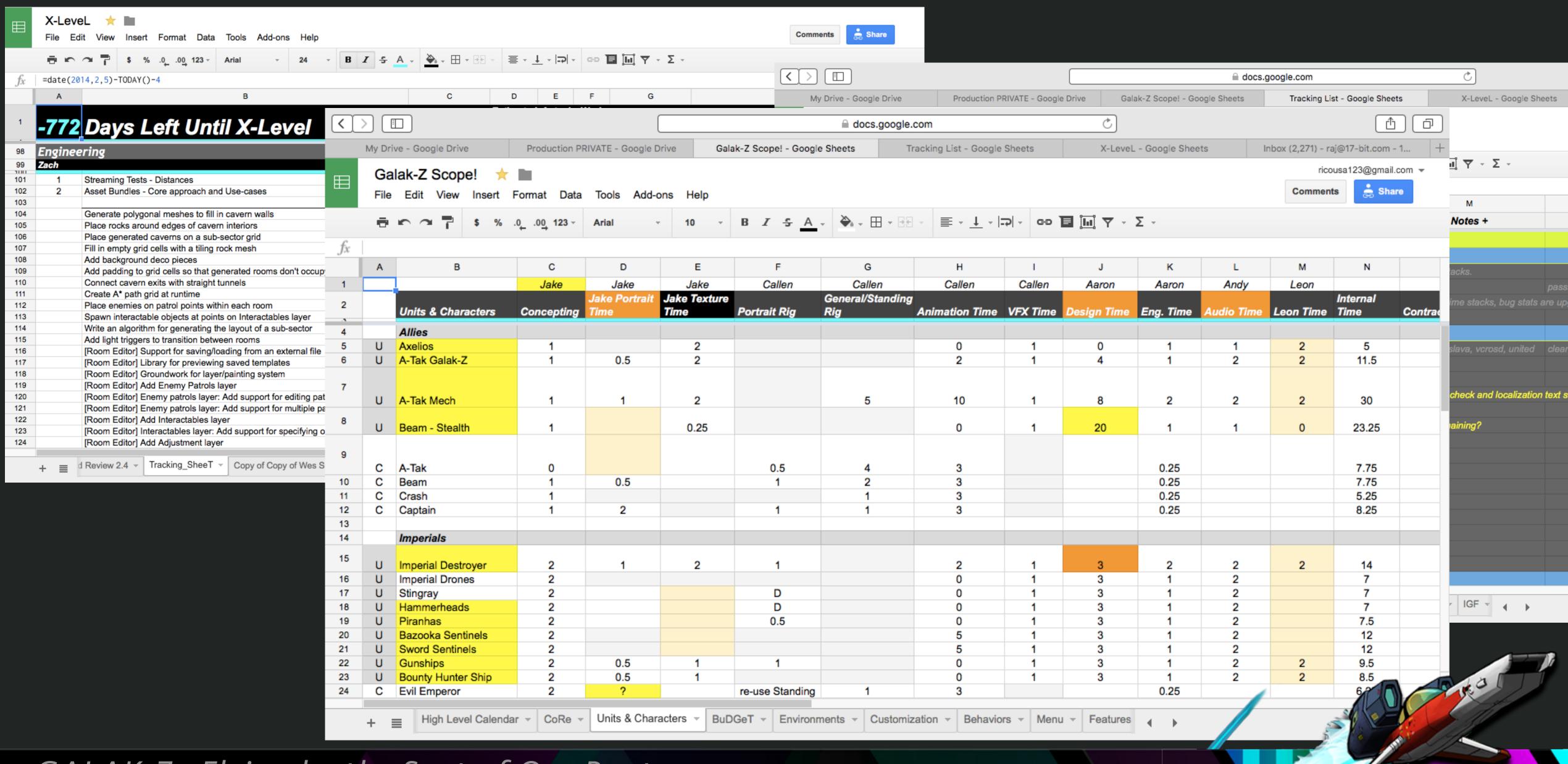






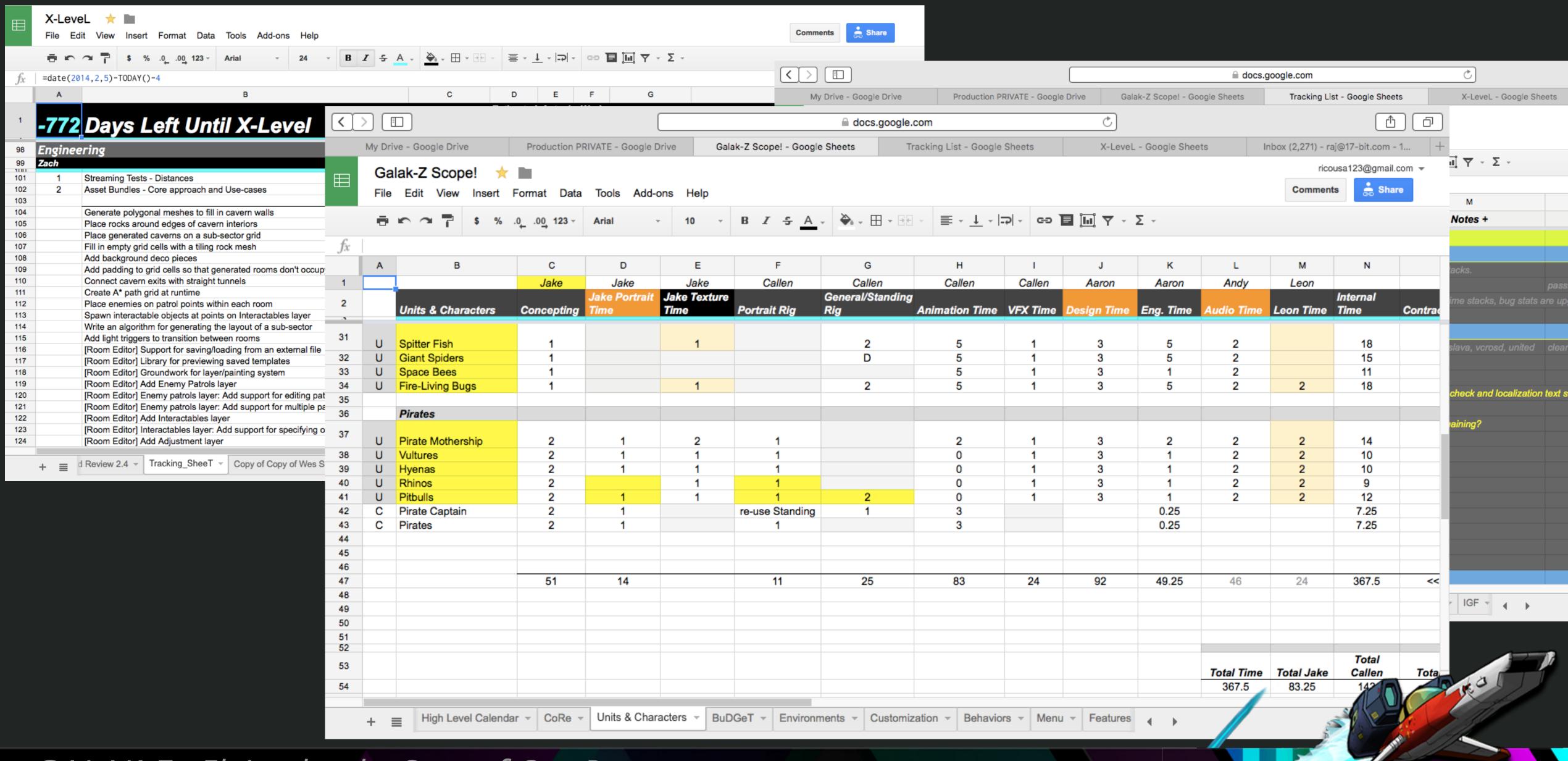






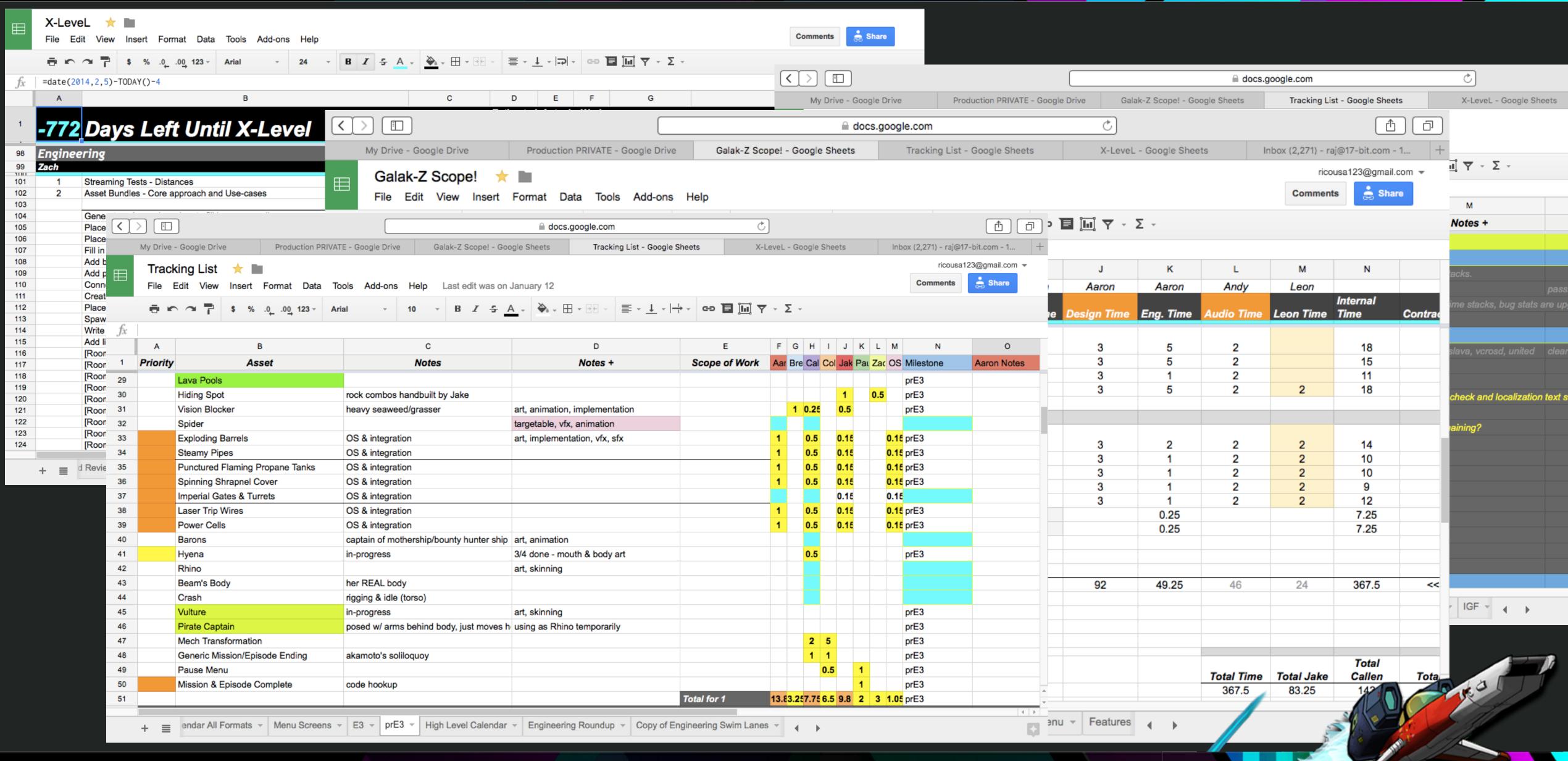












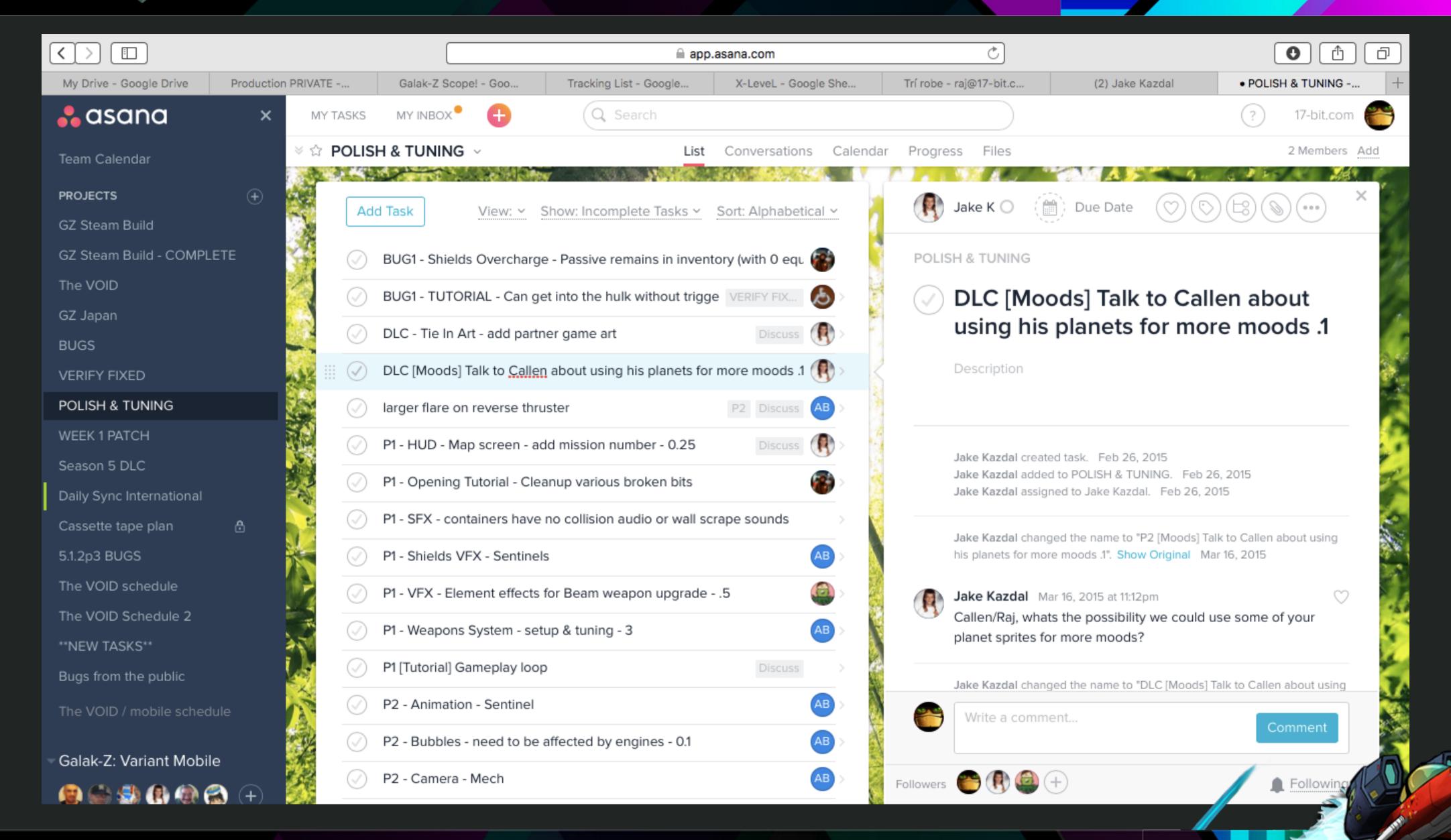


Asana













Asana Better Informed Time Estimates





Asana Better Informed Time Estimates Scope It Like You Mean It







Asana Better Informed Time Estimates Scope It Like You Mean It Stricter and More Collaborative Planning







Turned Problems into Opportunities Listened to the Game Long Live Prototype Mode Got It All Captured Embraced Forgotten Features GDD and Shared Understanding Empowerment

Asana Better Informed Time Estimates Scope It Like You Mean It Stricter and More Collaborative Planning Daily Deadlines







Turned Problems into Opportunities Listened to the Game Long Live Prototype Mode Got It All Captured Embraced Forgotten Features GDD and Shared Understanding Empowerment

Asana Better Informed Time Estimates Scope It Like You Mean It Stricter and More Collaborative Planning Daily Deadlines Spread Less Thin



















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"GALAK-Z's controls are smartly designed and responsive... What really pushes it to the next level is the tremendous amount of detail put into the enemy design and the combat."

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## Discipline, Discipline, Discipline







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility







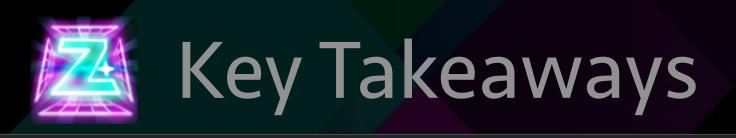
Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility

Embrace Structure ..

.. It Will Set You Free







Discipline, Discipline
Schedule is a Collaborative
Responsibility
Embrace Structure ..

.. It Will Set You Free

Scope, Scope, Scope







Discipline, Discipline, Discipline
Schedule is a Collaborative
Responsibility
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Scope, Scope, Scope

Be Realistic







Discipline, Discipline, Discipline
Schedule is a Collaborative
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Scope, Scope, Scope

Be Realistic

Surround Yourself







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility

Embrace Structure ...

.. It Will Set You Free

Scope, Scope, Scope

Be Realistic

Surround Yourself

Everyone Should Be Able to Pitch the Game







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

#### Foster Communication







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

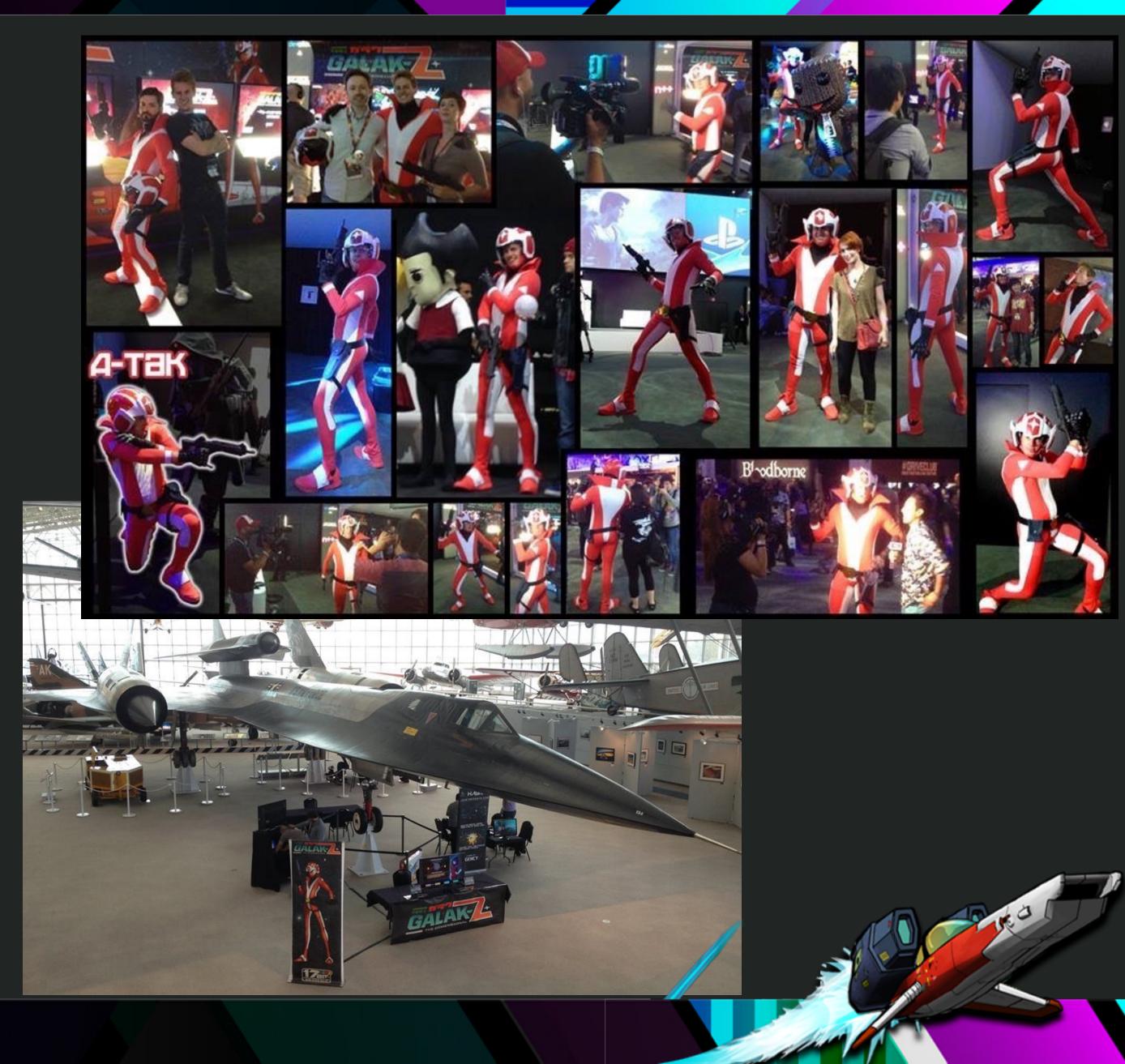
Foster Communication
Dev First, Shows Second







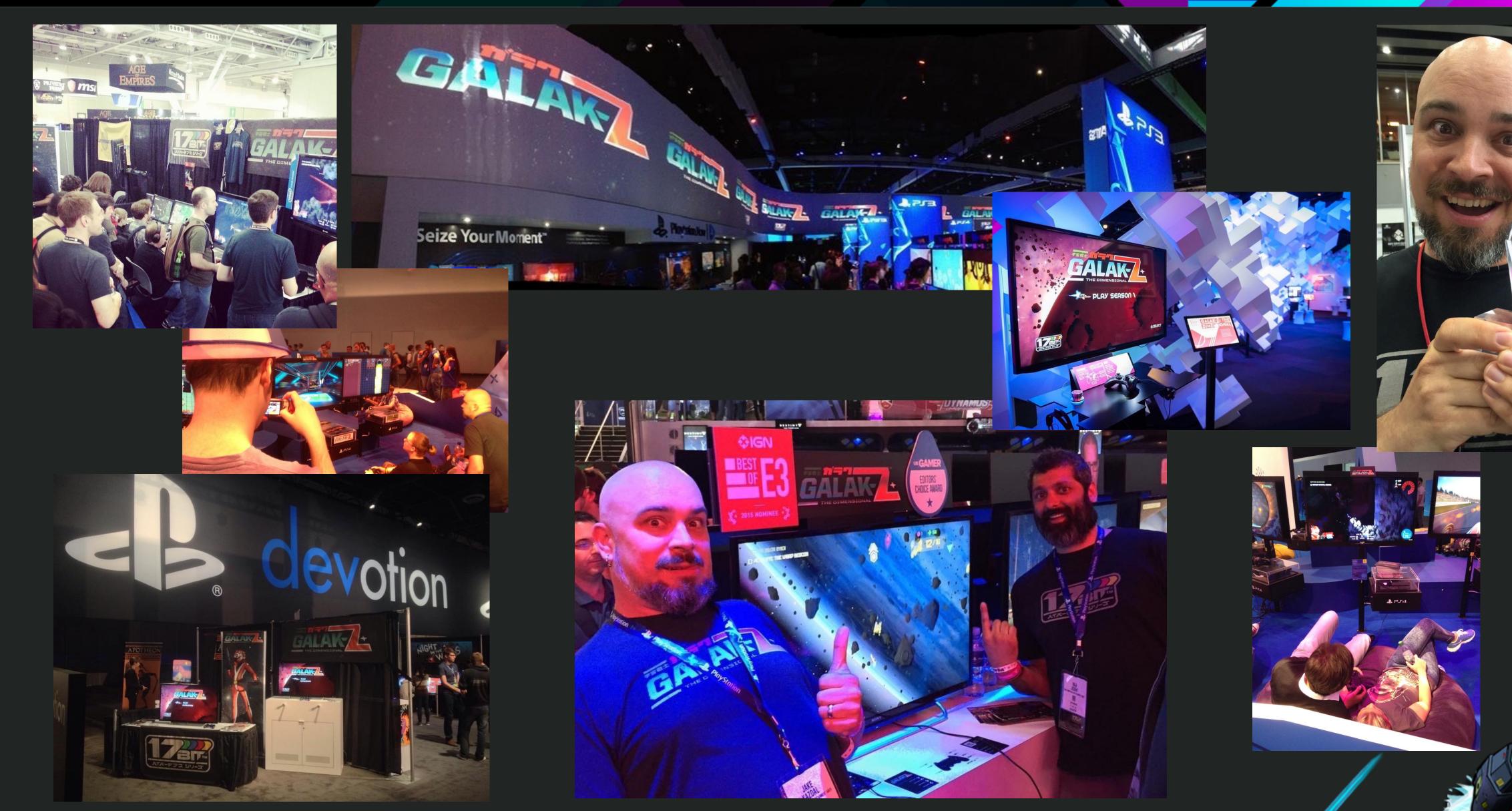




GALAK-Z: Flying by the Seat of Our Pants











Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication Dev First, Shows Second Sensible Show Builds







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication
Dev First, Shows Second
Sensible Show Builds
Keep It Clean and Stable







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication
Dev First, Shows Second
Sensible Show Builds
Keep It Clean and Stable
Know When to Hold 'Em







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication
Dev First, Shows Second
Sensible Show Builds
Keep It Clean and Stable
Know When to Hold 'Em
Bizdev is a Beast .. Tame It







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication
Dev First, Shows Second
Sensible Show Builds
Keep It Clean and Stable
Know When to Hold 'Em
Bizdev is a Beast .. Tame It
Focus







Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication Dev First, Shows Second Sensible Show Builds Keep It Clean and Stable Know When to Hold 'Em Bizdev is a Beast .. Tame It Focus Sleep and Stay Focused





Discipline, Discipline, Discipline Schedule is a Collaborative Responsibility Embrace Structure ... .. It Will Set You Free Scope, Scope, Scope Be Realistic Surround Yourself Everyone Should Be Able to Pitch the Game

Foster Communication Dev First, Shows Second Sensible Show Builds Keep It Clean and Stable Know When to Hold 'Em Bizdev is a Beast .. Tame It Focus Sleep and Stay Focused Push for Quality







# Be Good to Each Other





## Keep in Touch!



@RicoUsa123
@17\_BIT
raj@17-bit.com
17-BIT.com

facebook.com/SeventeenBit

GALAK-Z.com
Al: cyntient.com

Seattle Co-working space: indiesworkshop.com

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