Database: phpas, Table: about, Purpose: Dumping data

id	content
1	Hello, thank you for visiting my website! We are 3D printing enthusiasts and the brains behind this operation. We have always been fascinated by how 3D printers have revolutionized the industry, making waves in our industries. The way they bring designs to life is simply mind-boggling. If you're curious about how 3D printers work or pondering a career in this field, you're in the right place! We'll be diving into the nitty-gritty of 3D printing, exploring exciting career paths, and shedding light on the technical elements of 3D printing.

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id	category	title	author	image	text	featured	link	likes	featuredArticles
24	Career	9 Cool 3D Printing Jobs	Eduardo Vasconcellos	img/indeed.jpg	As the 3D printing industry booms, what does this mean for job seekers? There are many career opportunities that have been created or are getting a boost from the popularity of 3D printing. But there are also pros and cons to	Former President Barack Obama once said 3D printing has the “potential to revolutionize the way we make almost everything.” If you aren’t using the technology yet, know that plenty of people are already using it across a number of sectors. 3D printing had a global market size of $16.8 billion in 2022, according to Grand View Research. By 2030, that number is expected to hit more than $72 billion.	https://www.businessnewsdaily.com/5125-3d-printing-jobs.htm	27	0

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					consider before pursuing one. What is 3D printing? Rather than using ink and paper, a 3D printer uses materials like plastic, metal or ceramic to create a 3D model. By using computer-aided design (CAD) files as digital inst				

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					ructions to create an object, a 3D printer repeatedly covers a work surface with layers of material in precisely the right spots to create a structure from scratch. While 3D printing can be used for large-scale structures, it’s most helpful				

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					in creating smaller, customized parts or prototype components for various uses, including automotive engineering and the medical industry. With the versatility of 3D printing, it’s a field filled with opportunities. [Read related				

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					article: 3D Printing Applications for Business] 3D printing jobs The possibilities for working with 3D printing are practically limitless. Consider these nine jobs if you'd like to take your career in this direction.				
25	Career	Careers in 3D Printing	Mara Hitner	img/WorkingMan.png	When speaking wit	It's not just a fad. Explore how people	https://3dprint.com/193097/careers-in-3d-printing/	10	0

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					h teachers about their efforts to bring 3D design and 3D printing programs into their K-12 classrooms, the one pervasive question is still – why? Teachers try to get funding from administration and are asked – why do you need a 3D prin	are using 3D printers in their careers and why it’s important to teach the next generation about this growing technology.			

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					ter? Administration springs funding on teachers earmarked for 3D printers, and teachers ask – why do I need to take time out of my classroom to teach how to use a 3D printer? Teachers introduce 3D printing to their classrooms				

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					and the parents ask – why are you wasting my child’s time with some “fad”? Answer – preparation for future jobs. And current jobs. ALL the jobs. Medicine, video games, architecture, manufacturing, product design, special e				

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					ffects for TV and movies, automotive, entrepreneurial efforts we've never even heard of (like desktop 3D printers themselves were in 2011) and more all require some form of 3D modeling skills. And the tool of choice to fabricate those mo				

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					dels in reality – prototype or final product – is 3D printing. Teaching simple 3D modeling software like Tinkercad in schools not only prepares students to broaden the scope of job opportunities they might not have considered before, but				

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					the practice of designing something in CAD software also covers core STEAM (science, technology, engineering, arts, and math) standards that need to be taught anyway. Engagement is the unique factor here. Teachers				

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					need to work especially hard with the current generation to grab their attention and keep them engaged. Brains are changing. There are more tactile learners and kids that have various issues with paying attention than ever before				

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					(even if that issue is being distracted by the cell phone in their pocket.) Incorporating 3D design and 3D printing into the lessons teachers need to teach anyway makes the lesson stick and the classroom time more fun. Read the full arti				

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					cle, including examples of vocations you may not have thought about before which require 3D modeling and 3D printing skills — medicine, architecture, manufacturing, product design, special effects for TV and movies, anthropology, automot				

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					ive, entrepreneurial—at Matter Hackers. Discuss education, careers, and other 3D printing topics at 3DPrintBoard.com or share your thoughts in the Facebook comments below.				
26	Industry	Researchers Develop New Fungi-Based 3d Printing Material	Alex Tyrer-Jones	img/3dPrint-Fungi.jpeg	Researchers from the Shape Lab at the Institute of Architecture and Media at Graz University of Te	Researchers from the Shape Lab at the Institute of Architecture and Media at Graz University of Te	https://3dprintingindustry.com/news/researchers-develop-new-fungi-based-3d-printing-material-225036/	0	0

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					Architecture and Media at Graz University of Technology have developed MyCera, a new fungi-based 3D printing material. Composed of clay, wood sawdust, and myceliu	chnology have developed MyCera, a new fungi-based 3D printing material. Composed of clay, wood sawdust, and myceliu			
					Architecture and Media at Graz University of Technology have developed MyCera, a new fungi-based 3D printing material. Composed of clay, wood sawdust, and myceliu	chnology have developed MyCera, a new fungi-based 3D printing material. Composed of clay, wood sawdust, and myceliu			

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					ed with the overall goal of reducing CO 2 emissions and solving global waste management problems. This research project uses mycelium as an intelligently oriented fiber reinforcement to improve the structural performance of 3D				

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					printed unfired clay elements, and allow for bio-welding of fired elements. Because the myceli um-based material continues to grow after being 3D printed, My Cera is said to offer high-tensile strength and structural performance. The				

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					research team’s findings, entitled “MyCera. Application of myceli al growth within digitally manufactured class structures,” have been published in the International Journal of Architectural Computing. “The overall research goal focus				

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					es on finding a viable, long-term solution to the global problem of waste management and CO 2 emissions, which also affects the building industry and construction waste management, ” the team explained in the research paper.				

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					“The composite ‘My Cera’ shows notable structural properties when compared to the same material mixture without mycelium. […] It is assumed that the high increase in tensile strength is caused by the growth process that tak				

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					place after printing. ” The researchers added that “This kind of intelligent fiber distribution could not have been achieved with a non-growing material. ”				
27	Industry	Past And Future Collide: Adidas 3D Printed Mc87 4D Golf Shoes Channel ‘80s Vibes	Ada Shaikhnag	img/3dprint-Shoes.jpg	What sets the MC87 4D apart is its incorporation of Carbon’s Digita	Building on its 3D printed footwear portfolio, sports equipment manufacturing firm Adidas has introduced the MC87 4D, a limited-edition	https://3dprintingindustry.com/news/past-and-future-collide-adidas-3d-printed-mc87-4d-golf-shoes-channel-80s-vibes-225092/	6	1

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					l Light Synthesis (DLS) 3D printing process. It boasts the novel 4D midsole, marking the first time Adidas has featured this technology in a golf shoe. The 4D midsole is crafted through a precise process that uses light and oxygen, r	spikeless golf footwear model.			

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					esulting in a lattice structure. This structure is not just for aesthetics; it’s designed to provide controlled energy return, says the manufacturer. “Over the last 18 months we’ve noticed golfers wanting more vintage designs, and we				

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					’re in a unique position where our archives provide some amazing product inspiration as we continue our mission to be the most progressive golf brand in the world,” said Masun Denison, Global Footwear Director, Adidas Golf. “We c				

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					hallenged ourselves to combine the timeless aesthetics from the past with the technology of today, and MC87 4D was the perfect result. It’s a very special silhouette, a first for us in golf using the 4D technology, and it will be one				

id	category	title	author	image	text	featured	link	likes	featuredArticles
					that golfers everywhere will be excited about. ”				
28	Technical	AI-driven tool makes it easy to personalize 3D-printable models	Adam Zewe	img/MIT-Style2Fab-01-press_0.jpg	As 3D printers have become cheaper and more widely accessible, a rapidly growing community of novice makers are fabricating their own objects. To do this, many of these amateur artisans access free, open-source repositories of user-generated 3D models that they download and fabricate on their 3D printer.	As 3D printers have become cheaper and more widely accessible, a rapidly growing community of novice makers are fabricating their own objects. To do this, many of these amateur artisans access free, open-source repositories of user-generated 3D models that they download and fabricate on their 3D printer.	https://news.mit.edu/2023/ai-driven-tool-personalize-3d-printable-models-0915	0	0

id	category	title	author	image	text	featured	link	likes	featuredArticles
					sans access free, open-source repositories of user-generated 3D models that they download and fabricate on their 3D printer. But adding custom design elements to these models poses a steep challenge for many makers,				

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					since it requires the use of complex and expensive computer-aided design (CAD) software, and is especially difficult if the original representation of the model is not available online. Plus, even if a user is able to add personalized ele				

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					ments to an object, ensuring those customizations don’t hurt the object’s functionality requires an additional level of domain expertise that many novice makers lack. To help makers overcome these challenges, MIT researche				

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					rs developed a generative-AI-driven tool that enables the user to add custom design elements to 3D models without compromising the functionality of the fabricated objects. A designer could utilize this tool, called Style2Fab, to personaliz				

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					e 3D models of objects using only natural language prompts to describe their desired design. The user could then fabricate the objects with a 3D printer.				
29	Technical	Invisible tagging system enhances 3D object tracking	Alex Shipps	img/MIT-BrightMarker.jpg	swd	Developed by MIT researchers, BrightMarkers are invisible fluorescent tags embedded in physical objects to enhance motion tracking, virtual reality, and object detection.	https://news.mit.edu/2023/enhancing-3d-object-tracking-invisible-tagging-system-0815	0	0

Database: phpas, Table: contact, Purpose: Dumping data

personId	fname	lname	email	industry	technical	careeer	role
1	Anitha	Nathan	aarthi.nathan@ryerson.ca	0	0	0	
2	Anitha	Nathan	aarthi.nathan@ryerson.ca	0	0	1	Writer
3	Anitha	Nathan	aarthi.nathan@ryerson.ca	0	0	1	Writer
4	Anitha	Nathan	aarthi.nathan@ryerson.ca	0	0	1	Writer
5	Anitha	Nathan	aarthi.nathan@ryerson.ca	0	0	1	Writer
6	Anitha	Nathan	nathaani@sheridancollege.ca	1	0	0	Contributor

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personId	username	password	role
1	admin	123	admin
2	anisi	123	member
9	test	test	member
10	test2	test2	member
11	member	member	member
12	work	work	member