

JAKUB PIETRYSZYN

space architect | junior software developer

Warsaw, PL
+48 880 896 626
jakubpietryszyn@gmail.com
www.jakubpietryszyn.xyz
www.artstation.com/mr_yakub
www.github.com/yakub808

Architectural engineer specializing in space architecture, habitat design, and related software workflows. With 10+ years of professional architectural practice, I integrate concept development, technical documentation, and systems thinking with design and code. Recently I have expanded into programming, combining Python scripting to create dynamic 3D workflows.

EXPERIENCE

National Geographic Space Architect and Artist	[2025]	3D Estate 3D Generalist	[2023 - present]
Specializing in concept creation for Moon colonization, including ideation, detailed 3D models, technical specifications for mission planning and visualization. Published in September issue „Moonrush”. www.nationalgeographic.com		Specializing in architectural 3D visualization, including detailed building models, cities and surrounding-context models. OSM-based (OpenStreetMap) environment integration. www.3destate.pl	
Chmielewski + Partners Lead Architect	[2020 - 2022]	Studium Architektury Lead Architect	[2018 - 2020]
Delivered the lead design work for the JFG Composites production hall in Świdnik, Poland, working in a BIM environment across concept design, technical documentation, and multi-discipline coordination. www.chmielewskipartners.com		Led the design work for the Chojnice Railway Station in Poland, covering concept design, technical documentation, and multi-discipline coordination. www.studium.waw.pl	
KAPS Architekci Architect	[2017 - 2018]	MAZM Assistant Architect	[2014 - 2016]
Contributed to the Aroma Park project in Warsaw, Poland, working in a BIM environment across concept design and technical documentation. www.kaps-architekci.com		Supported the delivery of the Śląwińska project in Warsaw, Poland, contributing to concept design and technical documentation. www.mazm.pl	

EDUCATION

CS50x, CS50 Python HarvardX	[2024 - 2025]
Piscine Coding Bootcamp 42 Warsaw	[2024]
Space Architecture Workshop SIDI x LIQUIFER Systems Group	[2023]
Space Architecture and Design Swiss Institute for Disruptive Innovation	[2022]
Architecture and Urban Planning Rzeszow University of Technology	[2009 - 2014]

SKILLSET

Rhinoceros + Grasshopper
Blender
Adobe
Archicad
Autocad

Python
C
SQL

JAKUB PIETRYSZYN

space architect | junior software developer

Warsaw, PL
+48 880 896 626
jakubpietryszyn@gmail.com
www.jakubpietryszyn.xyz
www.artstation.com/mr_yakub
www.github.com/yakub808

RECOGNITION

BLOMPOD Inflatable Lunar Module	[2022–2024]	LUNAE ABYSSI Lava Tube Habitat Exploration	[2023]
Modular, inflatable lunar module. Presentation: Harbin Institute of Technology Honorable Mention: Moon Village Competition Press: ArchDaily, Designboom		Inflatable cave habitation system. Co-op: LunAres + Maciej Rębisz Gold Mention: YAC Competitions Press: Architektura & Biznes, Poland Weekly, National Geographic, Polskie Radio	
SWARMIR Space Mining Exploration	[2023]	EMCS Mars Transportation System	[2023]
Space Whale for Asteroids Resources Mining and Refining. Presentation: Space Architecture Workshop First Prize		Earth Mars Cycler System. Co-op: Maciej Rębisz Honorable Mention: Jacques Rougerie Foundation	
CORAL POD Mars Habitation System	[2023]	MINOS Europa habitat exploration	[2022]
Inflatable mars habitation system exploration with combination of fungi layers. First Prize: the Charette		Exploration of origami type habitation modules. Co-op: Maciej Rębisz Honorable Mention: Jacques Rougerie Foundation	
NOMAD Mars Habitation System	[2016]	LUNAR HABITAT Lunar habitat exploration	[2015]
Mars habitation system exploration. co-op: Maciej Rębisz honorable mention: if-ideasforawrd press: Mars book		Moon habitation system exploration. co-op: Maciej Rębisz honorable mention: if-ideasforawrd press: Moon book	

ENGAGEMENTS

Fondation Jacques Rougerie Junior Ambassador, Space Architect	[2025–]
Fondation Jacques Rougerie Space Architect, Lecturer Space Architecture Workshop, Agadir, Morocco	[2024]
CHASM x LunAres Space Architect, Participant Analog Space Missions Workshop	[2022]