



Ziyi Zhang

New Media Artist / Technical Artist

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Ziyi Zhang is a new media artist and art director. Known for her creativity and open-minded approach, she excels in collaborative environments and partnerships within and beyond the industry. With a solid foundation in art and technology, Zhang integrates these strengths into her artistic creations, characterized by an extraordinary blend of dreamlike, romantic, and poetic elements, unveiling facets of humanity, social issues, and global concerns. Over 180 hours of volunteer experience in the arts and entertainment industry, showcasing Ziyi's passion, dedication, and commitment to creative endeavors.

Her works balance emotion and reason, intertwining technology with aesthetics to evoke resonance and reflection among audiences. From personal emotions to grand narratives, she continuously seeks to transcend the boundaries of media and culture. Zhang's artworks have been showcased internationally, including in China, Singapore, United States and Europe. Notably, in 2023, her works were presented at Austria's prestigious Ars Electronica Festival and Singapore's iconic Landmark Building Ten Square.

FIELDS

Real-Time 3D Rendering, Art & Technology, XR/VR/AR, Virtual Production, Research on AI & Art, Data-Driven Creativity, Digital Humanities, Creative Innovation

SKILLS AND WORKING MEDIA

3D Modeling, Rendering and Animation: Unreal Engine Rendering and Blueprint, Unity, Redshift, Octane, Blender, Maya, Keyshot, Zbrush, Cinema 4D, Motion Capture, Vicon, Mixamo, Marvelous Designer, Substance 3D Painter, GLSL

AR/VR Development: Unreal Engine, Unity, SparkAR, Oculus Quest

Interactive Programme: TouchDesigner, Arduino, sensors, Raspberry Pi, Python, C#, Azure Kinect, Mediapipe, Resolume

Motion Graphics and Post-Production: Adobe After Effects, Premiere Pro, Ableton Live, Max/Msp, Projection Mapping

Artificial Intelligence in Art: OpenAI API, Stable Diffusion

Emerging Trends: Digital Research (Googling), Active Discord Community Engagement, YouTube Content Exploration

EDUCATION

MPS in Virtual Production

New York University Tisch School of the Arts, NYU Tisch Martin Scorsese Virtual Production Center | Aug 2024 - May 2025

- Specializations: Virtual Production, Art Direction, Unreal Engine Real-time Rendering in Unreal Engine 5
- Unilumin Scholarship Recipient, Grade 3.926/4.00

BFA in Design Art (Interactive Media) (Honours with Distinction)

Nanyang Technological University (NTU) | Aug 2020 - May 2024

- Specializations: New Media Art, Unreal Engine, A.I., Audio-visualisation, AR/VR/XR, Sensors, Interactive Installation, Projection Mapping
- Secretary of NTU Chinese Society Hanfu Group

Diploma in Arts Management (with Distinction)

Nanyang Academy of Fine Arts | Jul 2017 - May 2020

- President Award (class of 2020), Best Graduate Award
- Merit Awards (2018 & 2019), Candidate of Talent Development program
- Participated in Singapore Bicentennial Conference as student representative
- Assisted in Southeast Asian Arts Forum 2019
- GPA: 3.97/4.00

WORKING EXPERIENCE

Project Intern (Internship)

Cai Studio (New York) | Feb 2025 - Present

- Provide support for artist Cai Guo-Qiang.

Creative Technologist (Project)

Serial Co_ (Singapore) | Dec 2023- Jan 2024

- Led Unreal Engine rendering for "The Mogami Safflower Experience" as part of Shiseido's Journey of Potential Asian regional events in Thailand and Singapore.
- Delivered high-quality, industry standard visual content, ensuring optimal performance and seamless integration within immersive event installations.

Artist (Internship)

Fn Media Lab (Shanghai) | May 2023- August 2023

- Researched and ideated innovative new media art projects, integrating technology with artistic expression. Collaborated with multidisciplinary teams to deliver high-quality, impactful experiences that blend art and technology.
- Specialized in Unreal Engine 3D rendering, crafting immersive environments for installation simulation.

Creative Technologist (Internship & part-time)

Serial Co_ (Singapore) | June 2022- August 2022

- TERRARIUM Exhibition (Singapore Night Festival, National Design Centre): Conducted 3D rendering for the key visual, integrating digital aesthetics with environmental themes.
- BIO: Digital Nature Exhibition (National Design Centre): Designed and installed interactive audio systems, crafting an immersive soundscape experience.
- NFT Project - Conversation with Wind: Contributed to coding and visual design using TouchDesigner to generate 1024 dynamic NFT banners.

Education Outreach (Internship)

STPI Creative Workshop and Gallery (Singapore) | January 2020 - April 2020

- Liaised with school tours, volunteers, and docents to ensure seamless event coordination.
- Managed gallery reception during opening events and daily operations.
- Led in research for Mandarin outreach materials to enhance accessibility for diverse audiences.

The Feather Short Film

The Martin Scorsese Virtual Production Center, New York | Oct 2024 - Present

- In the heart of a brutal Viking battlefield, two chieftains bound by love face a prophecy that only one of them will ascend to Valhalla. Torn between destiny and devotion, their final hours are filled with choices that will echo through eternity.
- IMDb: https://m.imdb.com/title/tt34851939/?fbclid=PAZXh0bgNhZW0CMTEAAaZd1Xvw-XuOElaPTCrIxSHj6l8TQ7QKyKzPU4xvkDI-sllB1rshOIC1AAk_aem_g8CnEuyNS2YQsDcQiK4eWA
- Production Designer, Co-director, VAD Team, Co-writer
- Virtual Production, Unreal Engine 5, Maya, Blender, ZBrush, Marvelous Designer, Substance Painter

Diva Short Film

The Martin Scorsese Virtual Production Center, New York | Oct 2024 - Present

- 3D Game Environment, Unreal Engine, interactive exhibition
- Director, Motion Capture Actor, 3D artist, Post-production editor
- Virtual Production, Unreal Engine 5, Maya, Blender, Vicon Mocap

A.I. Grottoes

Ars Electronica 2023 Campus Exhibit, Linz, Austria | Sep 2023

- Exploring the intersection of AI-generated art, craftsmanship, and heritage, the work reimagines Dunhuang Cave Murals by transforming contemporary media into the Dunhuang style, blending ancient artistry with modern narratives.
- Director, 3D artist, Post-production editor
- Unreal Engine 5, Cinema 4D

Butterfly Island 2.0: ARTISTS' PLAYGROUND

New York | Oct 2024 - Present

- An immersive 3D game environment where virtual butterflies, embodying artists' unique information, collide to generate AI-driven collaborative outcomes. The project explores inclusivity in the creative field, breaking barriers of capital, race, and background.
- Director, Technical Artist, 3D Artist
- Unreal Engine 5, Cinema 4D, Blender, Touchdesigner, Python, OpenAI API, Projection, Exhibition Design, Sound Design

Butterfly Island 1.0: Digital Soul & Data Metamorphosis

Nanyang Technological University, Singapore | Aug 2023 - May 2024

- An immersive 3D Game Environment exhibition featuring virtual butterflies, each embodying the artist's soul. When two butterflies collide, AI generates new information, merging their embedded messages. This project explores the evolution of the human soul in digital spaces, examining the potential for achieving immortality through virtual interactions.
- Director, Technical Artist, 3D Artist
- Unreal Engine 5, Cinema 4D, Blender, Touchdesigner, Python, OpenAI API, Projection, Exhibition Design, Sound Design

EXHIBITIONS

2024 *A.I. Grottoes - Snake Murals*, Sugarmouse, East Village, New York, United States

2024 *Digital Soul & Data Metamorphosis*, Rocket, Chelsea, New York City, United States

2024 *Digital Soul & Data Metamorphosis*, ADM Show 2024, Singapore

2024 Exhibition Trailer, Pastoral Concerto: Prints by Yu Yahua and His Teachers and Students, presented at Haining Museum, supported by Zhejiang Art Museum.

2024 *Personality Awakening*, School of Art, Design & Media, Nanyang Technological University, Singapore

2024 *Shiseido's 'Journey of Potential' Singapore event: The Mogami Safflower Experience*, Creative Technologist of team Serial Co., Singapore

2024 *Shiseido's 'Journey of Potential' regional event: The Mogami Safflower Experience*, Creative Technologist of team Serial Co., Thailand

2023 *A.I. Grottoes, Butterfly's Dreams: The New Aesthetic of AI in Artistic Practice*, Ars Electronica 2023 Campus Exhibit, Ars Electronica 2023 Festival for Art, Technology, and Society, Atelierhaus Salzamt, Linz, Austria

2023 *Timeless Beginnings: A Clock Tower Tribute to New Life in Singapore*, Media Art Nexus X Ten Square, Landmark of Good, Singapore

2023 *Go Sailing*, ATOMSPACE Technology, Shenzhen, China

2022 *The Story of History: (Re)Imagine Bras Basah Bugis District*, Finding Je Ne Sais Quoi, Singapore

2022 *A.I. Grottoes, A.I. in Art Workshop*, NTU School of Art, Design and Media in collaboration with NISTH co-Labs, NTU Institution of Science and Technology for Humanities, Singapore

2022 *The Story of History: (Re)Imagine Bras Basah Bugis District*, End of Semester Show, NTU School of Art, Design and Media, Nanyang Technological University, Singapore

2022 *Bios: Digital Nature*, Creative Technologist of team Serial Co., Singapore Night Festival 2022, National Design Centre, Singapore

RESEARCH PROJECTS

2024 *Digital Soul & Data Metamorphosis: Immortalising the Soul in the Age of Artificial Intelligence*, Final Year Project-Undergraduate Research Experience on Campus (FYP-URECA), Supervised by Associate Professor Ina Conradi Chavez, School of Art, Design and Media, Nanyang Technological University, Singapore

2022 *ReCreation: Reimagining Craftsmanship in the Age of A.I.*, Undergraduate Research Experience on Campus (URECA), Collaborated with Nur Haidah (Singapore), Supervised by Associate Professor Ina Conradi Chavez, School of Art, Design and Media, Nanyang Technological University, Singapore

FEATURES IN PRESS RELEASE, PUBLICATIONS AND FEATURES

2024 Digital Soul & Data Metamorphosis, ADM Gradshow, School of Art, Design and Media, Artspace@Helutrans, Tanjong Pagar Distripark, Nanyang Technological University, Singapore

2023 A.I. Grottoes, artwork introduced by Associate Professor Ina Conradi Chavez, 狮城有约 | 艺新艺异：人工智能艺术, 8world, Singapore

2023 A.I. Grottoes, Exhibition Catalogue: Who owns the truth? | Wem gehört die Wahrheit?, Ars Electronica 2023 Festival for Art, Technology, and Society, Linz, Austria

2023 A.I. Grottoes, Butterfly's Dreams: The New Aesthetic of AI in Artistic Practice, Ars Electronica 2023 Festival for Art, Technology, and Society, Linz, Austria

AWARDS

2023 A.I. Grottoes, Merit Award, The 8th 'Thank Youth' - Shanghai International Digital Creation, Innovation Entrepreneurship Competition, New Media Art Section

2023 Distinction in Undergraduate Research Experience on Campus 2022 - 2023, Nanyang Technological University, Singapore

2020 Dean's List Award, Diploma in Arts Management Semester 2, AY2019/2020, Nanyang Academy of Fine Arts, Singapore

2020 Dean's List Award, Diploma in Arts Management Semester 1, AY2019/2020, Nanyang Academy of Fine Arts, Singapore

2019 NAFA Merit Award, AY208/2019, Nanyang Academy of Fine Arts, Singapore

2019 Dean's List Award, Diploma in Arts Management Semester 2 AY2018/2019, Nanyang Academy of Fine Arts, Singapore

2019 Dean's List Award, Diploma in Arts Management Semester 1 AY2018/2019, Nanyang Academy of Fine Arts, Singapore

2018 NAFA Merit Award, AY208/2019, Nanyang Academy of Fine Arts, Singapore

2014 Gold Medal for Women's Doubles (Cha Cha), 5th Zhejiang Province Youth DanceSport Championship, Hangzhou, China

CONFERENCES & EVENTS

2019 Participation, The Singapore Bicentennial Conference, Institute of Policy Studies (IPS), National University of Singapore, Singapore

2019 Participation, Southeast Asian Arts Forum 2019, Nanyang Academy of Fine Arts, Institute of Policy Studies, Singapore

SELECTED VOLUNTEER EXPERIENCE

2019 S.E.A. Focus 2019, STPI Creative Workshop and Gallery, Singapore

2019 Volunteer, Affordable Art Fair, Singapore

2019 Production Crew, Chingay Parade Singapore 2019, Singapore

2019 Open House 2019, STPI Creative Workshop and Gallery, Singapore

2019 Front-of-House, Nine Years Theatre, Singapore

2018 Education Volunteer Programme 2018, National Gallery Singapore

2018 NAFA 80th Anniversary Celebration Gala Dinner, Nanyang Academy of Fine Arts, Singapore

2018 Festival Assistant & Front-of-House, Octoburst! 2018 - A Children's Festival, The Esplanade Co Ltd, Singapore

2018 Festival Assistant & Front-of-House, Dan:s Festival 2018, The Esplanade Co Ltd, Singapore

2018 Front-of-House, NAFA 80th Anniversary GALA Dinner, Nanyang Academy of Fine Arts, Singapore

2017 Festival Assistant & Front-of-House, Octoburst! 2017- A Children's Festival, The Esplanade Co Ltd, Singapore

2017 Festival Assistant & Front-of-House, Dan:s Festival 2017, The Esplanade Co Ltd, Singapore

2017 Festival Assistant & Front-of-House, Huayi Festival 2017, The Esplanade Co Ltd, Singapore

CERTIFICATES

2020 ABRSM Piano Grade 5 with Distinction, Singapore

2020 ABRSM Music Theory Grade 5 with Merit, Singapore

INTERESTS

Piano, Latin Dance, Drums, Photography

REFERENCES

Ina Conradi Chavez

Associate Professor, NTU School of Art, Design and Media

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