

Rebecca Nie

EDUCATION:

- STANFORD UNIVERSITY Master of Science, Applied Physics (2011)
- UNIVERSITY OF TORONTO Bachelor of Science with distinction, Mathematics (2009)
Honors Bachelor of Science, Physics (2009)

SELECTED AWARDS:

- 2024 **Award Winner** of **Samskara International Film Festival**, Meerut, India
- 2023 **Best New Media Art** of the **2023 Asian Film Festival**, Los Angeles Hollywood, California
Best Director and **Best Experimental Shorts** of **Cuckoo International Film Awards**, S. A.
College of Arts & Science, Chennai, India
Ommie Awards for Spiritual Poetry, OMTimesMedia
- 2008 **Undergraduate Research Award** in **Quantum Physics**, Natural Sciences and Engineering
Research Council of Canada
- 2007 **Undergraduate Research Award** in **Mathematics**, Natural Sciences and Engineering Research
Council of Canada

SELECTED MEDIA PRESENTATIONS:

- 2023 **Buddhist Door Global** – *Book Review: Yin Mountain*, Nachaya Campbell-Allen
Tricycle – *Living Demigoddesses, Immortal Poetry*, Matthew Gindin
- 2022 **Spirituality & Practice** – *Love poems and goddess culture for today from medieval China*,
Jon M. Sweeney
Publishers Weekly – *Praising reviews of Yin Mountain: The Immortal Poetry of Three
Daoist Women, Translated by Peter Levitt and Rebecca Nie. Shambhala*
BC Bookworld – *Yin poems from 1200 years ago*
- 2021 **Lion's Roar** – *Watch: Algorithm-driven Buddhist art debuts at Stanford University*, Nancy
Chu
- 2016 **Los Altos Town Crier** - *Artist Nie Goes from Physics to Painting*, Rhonda Mak
- 2014 **Silicon Valley Cable TV** – *Artist of The Month*, presented by Michael Uhila

BOOKS AND PUBLICATIONS:

- 2023 Wu, Jiayue C. and Nie, Rebecca, *Heart Sutra: A Network Audio Technology-Assisted Visual
Music Composition*, **International Computer Music Conference 2023 (ICMC)**
- 2022 Translated by Levitt, Peter and Nie, Rebecca, *Yin Mountain: The Immortal Poetry by Three
Daoist Women*, **Shambhala Publications**

Wu, Jiayue C. and Nie, Rebecca, *Heart Sutra: Reflections and Mediation of Cultural-Wisdom
Heritage and The Contemporary World through NFT and Augmented Reality*, **International
Journal of Distributed Systems and Technologies (IJDST)**
- 2014 - 2016 Taylor, Peter (author) and Nie, Rebecca (illustrator), *Zen Mister Series*, **Inroads Press**
- 2009 X. Rebecca Nie, C. F. Roos, and Daniel F. V. James, "Theory of Cross Phase Modulation for the
Vibrational Modes of Trapped Ions," **Physics Letters A** (2009) 422-425

SELECTED PUBLIC TALKS AND GUEST LECTURES:

- 2023 **Stanford University** – *Visual Expressions in Greif Healing*
de Young Museum Featured Artist – *Poems of Yin Mountain for World Poetry Day*
- 2022 **The Art of Grieving at Stanford University** – *Indigenous and Eastern World Views and Grief*

- 2021 **Rathbun Fellowship for Religious Encounters at Stanford University – *Wellbeing and The Buddhist Enlightenments***
College of Arts & Media, University of Colorado Denver – *Creativity, Auditory Arts, and Contemplation*
Department of New Media and Digital Art, University of California Santa Cruz –*Quantum Elders’ Consciousness Vaccine: An Algorithm Driven New Media Arts Project from Inspiration to Reality*
- 2018 **Cantor Museum of Arts, Stanford, California – *The Buddha’s Words in This Body and This Mind***
- 2017 **The Art Center of Redwood City and San Carlos, San Carlos, California – *Mindfulness in Art***
- 2016 **Stanford Art Spaces, Institute for Research in The Social Sciences, Stanford, California – *Emotional Ambiance in East Asian Aesthetics***
- 2016 **Art Lab, Cubberley Artist Residency Program, Palo Alto, California – *Abstract Conflicts***

SELECTED ART EXHIBITIONS & MUSIC/FILM FESTIVALS:

- 2024 *Sacred Futurism Screening, Wonzimer Gallery, Los Angeles, California*
Engtangled In Tension, SIY Gallery, San Francisco, California
- 2023 *Jade Wave Rising, SOMArts, San Francisco, California*
Dharma Drum, Awareness Festival, Los Angeles, California
Heart Sutra: an Augmented Reality Installation, LA Independent Women Film Awards, Los Angeles, California
- 2022 *Computer Art Congress Seven, Haute école d'art et de design, Genève, Switzerland*
The Veiled Reflection: An Immersive and Interactive New Media Art Installation (Solo Exhibition), SIY Gallery, San Francisco, California
Heart Sutra: an Augmented Reality Installation, 2022 The Society for Electro-Acoustic Music in the United States Festival
Heart Sutra: an Augmented Reality Installation, 2022 Colorado Dragon Boat Festival
Heart Sutra: an Augmented Reality Installation, Toronto International Women Film Festival
Heart Sutra: an Augmented Reality Installation, 2022 Earth Day Art Model Festival
- 2021 *Mystic Path, Metaphorical Landscape (Solo Exhibition), SIY Gallery, San Francisco, California*
Elements of Nature, SIY Gallery and Coconut Bay, Burlingame, California
Heart Sutra, an Augmented Reality Installation, We Are Stanford: Festival of Reflection and Renewal
Quantum Elder’s Consciousness Vaccine, Berlin International Art Film Festival
Quantum Elder’s Consciousness Vaccine, New York Independent Cinema Awards
Quantum Elder’s Consciousness Vaccine, Toronto International Women Film Festival
Quantum Elder’s Consciousness Vaccine, Museum of Art and History, Santa Cruz, California
Quantum Elder’s Consciousness Vaccine, April in Santa Cruz Music Festival
- 2020 *Debut Window Show for Covid-19, Avenue 12 Gallery, San Francisco, California*

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- 2019 *Contemporary Tension -- Homecoming Hearts*, **Guo'an Gallery**, Central Business District, Beijing, China
The Art of Healing, **Enso Gallery and Red Door Galleria**, Half Moon Bay, California
Contemporary Tension -- Between China & The West (curator & exhibiting artist), **Misho Gallery**, San Francisco, California
- 2018 *San Francisco Asian Week*, **Misho Gallery**, San Francisco, California
Chinese Artist Association Exhibition, **Silicon Valley Asian Art Center**, Santa Clara, California
- 2017 *Permanent Exhibition*, **International Art Center of San Francisco**, Fremont, California
- 2016 *Efflorescence (Solo Exhibition)*, **curated by DeWitt Cheng of Stanford Art Spaces**, Stanford, California
- 2015 *Los Gatos Art Association Greater Bay Area Open*, **New Museum of Los Gatos**, Los Gatos, California
Just Draw Studio Show, **Palo Alto Art Center**, Palo Alto, California
- 2014 *Wet Paint*, juried by Hilary Gomes, **Pacific Art League**, Palo Alto, California
- 2012 *Waterworks*, juried by Christopher Schink, **Pacific Art League**, Palo Alto, California
- 2009 *Smothering Heat*, **University of Toronto Museum Studies**, Toronto, Ontario, Canada

ARTIST RESIDENCIES AND FELLOWSHIPS:

- 2019 Artist Residency in Motherhood, a global program organized by **Lenka Clayton**
- 2018 Artist Residency in Motherhood, a global program organized by **Lenka Clayton**
- 2016 Artist Residency at Huafeng Art Association, **International Art Center of San Francisco**, Fremont, California

SELECTED WORK AND TEACHING POSITIONS:

- 10/20 – present **Stanford University Chaplain's Council, Stanford University** – Buddhist Chaplain-Affiliate
- *Initiate* and *planned* a campus-wide Festival of Reflection and Renewal to encourage the campus community to process the COVID-19 and racist dual pandemic in 2020/2021
 - *Offer* spiritual care to students through one-on-one counseling sessions with
 - *Represent* the Buddhist voice in multifaith services to address community needs
 - *Explain* and *expound* essential Buddhist teachings with the student groups
- 1/18 – present **Stanford Associate of Religion, Stanford University** – Professional Advisor
- *Led hour-long weekly meditation sessions* for the Stanford Zen Society
 - *Conducted* one-on-one interviews to *guide* the practitioners to develop their practice
 - *Represented* Zen Buddhism at Stanford, such as during the Baccalaureate Ceremony
- 11/14 – present **M.V. Sanctuary** – Founder and Lead Artist
- *Created* artworks in Sacred Futurism, Radiant Deluge, Quantum Elders' Consciousness Vaccine, Interior Flow, and Stained-Glass Botany series
 - *Exhibited* in solo and group shows and *delivered* public talks
 - *Curated* group exhibitions, *planned* spiritual-art festivals, and *produced* concerts for augmented reality installations
 - *Evaluated* leading programming languages, music visualization platforms, and filmmaking software to *create* and deliver new media arts and augmented reality projects

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- *Designed and delivered* a ten-week online course on the First Zen Ancestor, Bodhidharma, at Stanford Zen Society
- *Created* “Mama Bodhi Retreat in Motherhood” to *encourage and support* the wellbeing of and spiritual development of new mothers
- *Initiated* Sound of Healing project to *share* Buddhist chants and contemporary music as a *response* to the initial wave of the COVID-19 pandemic
- *Networked* with gallerists, institutional curators, and other artists for professional and business development
- *Managed* business registration, procurement, accounting, and art fairs

9/16 – 6/21 **Office for Religious & Spiritual Life, Stanford University** – Meditation Teacher

- *Teach* regular introduction to meditation workshops that introduce the posture, breathing, and concentration of breath meditation
- *Delivered* guided mindfulness meditation of the body
- *Guided* the students in loving-kindness meditation

11/18 – 2/19 **Peninsula Museum of Art, Burlingame, California** – Mindfulness Meditation Teacher

- *Designed and proposed* a comprehensive Mandarin-English bilingual curriculum to introduce Continental Zen Buddhism
- *Facilitated hour-long weekly meditation sessions* for the Peninsula Museum of Art Community

1/16 – 6/17 **Stanford Zen Society, Stanford University** – Teacher

- *Led weekly meditation sessions* for the Stanford community
- *Facilitated practice discussions* among group members

6/13 – 10/14 **Version** – Software Engineer, Visualization and User Interface Developer

- *Developed* data visualization algorithms and dashboards to tastefully and impactfully convey insights from machine learning, big data algorithms to professional and business leaders
- *Designed and developed* a web application with jQuery, Tableau, and Java Spring
- *Evaluated* competing MVC frameworks, UI frameworks, and charting libraries through quick prototyping and contributed to architectural level decision making
- *Created* detailed specifications and task lists and *led* the development of applications
- *Collaborated* with the product team to clarify project requirements, analyze feature feasibility, and define implementation schedule
- *Coordinated* with multiple technical teams to deliver requirements according to the business deadlines

9/11 – 4/13 **Euclid Analytics** – Research Engineer

- *Developed* machine learning big-data algorithms to analyze aggregated consumer behavior in physical retail space with Python and SQL
- *Created* and maintained real-time device monitoring algorithms and infrastructure to enhance system-wide data integrity with SQL and advanced Shell scripting
- *Implemented* versatile data pipeline to enable the development of advanced data analytics
- *Designed and executed* experiments to validate existing algorithms or create new solutions and visualize the results with Python and Tableau
- *Optimized and streamlined* the production process for data collection systems

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- *Participated* in the *redesign* of the data collection and processing architecture
 - *Mined* and *visualized* experimental results in real-time with SQL and jQuery
 - *Designed* and *constructed* a portable demonstration unit with Linux, Apache, MySQL, and PHP to collect, analyze, and store mobile data from the off-line world
- 1/11– 6/11 **Kavli Institute for Astrophysics and Cosmology, Stanford University** – Research Assistant
- *Mined* and *visualized* astronomical data set statistically with Python
 - *Designed* and *developed* an advanced Python package for data visualization
- 6/10 – 8/10 **Yoezerling Higher Secondary School, Bhutan** – Teacher
- *Developed and sustained* daily meditation sessions for 367 disadvantaged adolescents.
 - *Provided professional training* for secondary school teachers to facilitate meditative exercise in their classrooms.
- 10/07 – 3/09 **Awakened Meditation Centre, Canada** – Dharma Teacher
- *Instructed the new members* on the fundamentals of sitting meditation.
 - Assisted and performed tea ceremonies for the community.
- 1/10 – 6/10 **Energy Resources Engineering, Stanford University** – Research Fellow
- *Optimized* for a network of electric-car battery swap stations with AMPL
 - *Created* prototype model and scaled it up to incorporate the consumer behavior and grid distribution in the Shanghai Metropolitan Region
- 5/08 – 9/08 **Physics Department, University of Toronto** – Research Assistant
- *Modeled, simulated, and visualized* quantum-chaotic systems and explored their values for quantum computing with MatLab
 - *Created* analytical models to statistically predict a quantum computing system
- 5/07 – 8/07 **Mathematics Department, Simon Fraser University** – Research Assistant
- *Extrapolated, modeled, and analyzed* combinatorial objects with Maple
 - *Developed active collaborations* with computer scientists and mathematicians

CREDENTIALS IN SPIRITUAL SERVICE:

- 2024 *Officially certified* as an instructor by **Yoga Alliance**
- 2023 *Received **teaching authorization*** of Citta Yoga, Mahākaruṇā Dhāraṇī, and Nine Succinct Mantras in Chinese Esoteric Buddhism from the **Sixth Ancestor Monastery**, China
- 2020 *Invited to serve* on the **Chaplain’s Council at Stanford University** through Office for Religious and Spiritual Life
- 2019 *Received the authorization, with blessings,* to be the founding abbot of **MahaVajra Seon Sanctuary**, an heir Zen Organization of Tongdosa Monastery, via Awakened Meditation Centre.
- Received the 48 Bodhisattva Precepts* under the instruction of ten Sila Masters at **Tongdosa Monastery**, South Korea.
- 2018 *Appointed with blessings* as the founding abbot of **MahaVajra Seon Sanctuary** by Korean Jogye Order
- 2014 Received lineage *confirmation* and became a member of the **Lay Zen Teacher Association**
- 2013 Received *enlightenment recognition* and *lineage transmission* from **Zen Master Venerable Hwasun Yangil Sunim** of **Korean Jogye Order**
- 2009 *Received the Ten Precepts* and *ordained* as a *dharma teacher* with **Zen Master Venerable Hwasun Yangil Sunim** of the **Korean Jogye Order**

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2005

*Received the Five Precepts and formally took refuge in **Lingguang Monastery**, China*