

Juliet Fiss

positivesum.art
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Curriculum Vitae

b. 1986 Madison, WI
Lives and works in Kirkland, WA

EDUCATION

PhD Computer Science & Engineering, University of Washington, 2022 (3.8 GPA)
BS Imaging Science (Minor Computer Science), Rochester Institute of Technology, 2009 (4.0 GPA)
Studied Mathematics and Computer Science at Carleton College, 2005

RECENT CONTINUING EDUCATION

MIT xPro Quantum Computing Fundamentals (4 CEUs), 2025
MIT xPro Quantum Computing Realities (4 CEUs), 2025

ART EXHIBITIONS

Gnothi Seauton, Happy Time Studio, Issaquah, WA, 2025
Visual Impressions 2025, Ryan James Fine Arts, Kirkland, WA, 2025
Avant Garden 2025, Kirkland Arts Center, Kirkland, WA, 2025
Intersections: Math, Art, Truth, Humanity, Seattle Universal Math Museum, Mercer Island, WA, 2025
Explorations in Abstraction, Seattle Artist League Gallery, 2025
Bridges Math Art Exhibition at 2025 Joint Mathematics Meetings, Seattle, WA, 2025
Holiday Art Market 2024, Kirkland Arts Center, Kirkland, WA, 2024
Threshold of Wonder, ArtMa Popup Gallery, Bellevue, WA, 2024
Sugar High, Nino Studio, Seattle WA, 2024
Grateful, Nino Studio, Seattle WA, 2024
August Gallery Presentation, Ryan James Fine Arts, Kirkland, WA, 2024
Valentine's Day Show, Design Within Reach, Seattle, WA, 2024
Awkward Contrasts, Nino Studio, Seattle WA, 2023
Lush Computation, M. Rosetta Hunter Gallery, Seattle WA, 2023
Visual Impressions 2023, Ryan James Fine Arts, Kirkland, WA, 2023 - Curator's Award Winner
One Last Time, Kirkland Arts Center, Kirkland, WA, 2023
Holiday Art Market 2022, Kirkland Arts Center, Kirkland, WA, 2022
Nature & Technology, an Inevitable Interconnectedness (Online), Visionary Art Collective, 2022
Rhythm, Motion, and Life, Artrepreneur (Online), 2022 - Winner
SYSTEMS, Artrepreneur (Online), 2022 - Honorable Mention
Figure of Speech, Kirkland Arts Center, Kirkland, WA, 2022
Quiet, Kirkland Arts Center, Kirkland, WA, 2022
In Comfort of Chaos, Kirkland Arts Center, Kirkland, WA, 2022
Holiday Art Market 2021, Kirkland Arts Center, Kirkland, WA, 2021
Prelude, Kirkland Arts Center, Kirkland, WA, 2021

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SCIENTIFIC PUBLICATIONS

Methods and applications for portrait selection from video, light field photography, and light field video editing, PhD Thesis, 2022. Committee: Brian Curless, Richard Szeliski, Joshua Smith.

Light field layer matting by Juliet Fiss, Brian Curless, and Richard Szeliski at the IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2015.

Refocusing plenoptic images using depth-adaptive splatting by Juliet Fiss, Brian Curless, and Richard Szeliski at the IEEE International Conference on Computational Photography (ICCP) 2014.

Mining text snippets for images on the web by Anitha Kannan, Simon Baker, Krishnan Ramnath, Juliet Fiss, Dahua Lin, Lucy Vanderwende, Rizwan Ansary, Ashish Kapoor, Qifa Ke, Matt Uyttendaele, Xin-Jing Wang, Lei Zhang, ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) 2014.

Candid portrait selection from video by Juliet Fiss, Aseem Agarwala, and Brian Curless in the ACM Transactions on Graphics (Proceedings of SIGGRAPH Asia 2011).

ART PUBLICATIONS AND PRESS

2026 Calendar of Mathematical Imagery by American Mathematical Society (2026).

New Visionary Magazine, Issue 14 (2025).

King 5 Evening Magazine. *Mercer Island's 'Intersections' exhibit blends math and art* (2025).

Mercer Island City Lifestyle Magazine. *Invest in SUMMthing Exponential: Compound Your Interest in Art + Math!* by Tracy Drinkwater (2025).

Capitol Hill Seattle Blog. *Meet the Capitol Hill Artist | Juliet Fiss creates a Lush Computation with details precisely placed* by Ananya Mishra (2023).

Seattle Collegian. *Lush Computation: bridging the gap between technology and humanity through art, M. Rosetta Hunter Gallery's Fall show* by Sophia Bruscato (2023).

Kirkland Lifestyle Magazine, *Visual Impressions at Ryan James Fine Arts* (2023).

Artrepreneur, Orange Book Vol. 2, features on website, social media, emails (2023).

Art2Life Inspiration Story, *Juliet Fiss: A New Formula for Creation* (2021).

ART COLLECTIONS

Rochester Institute of Technology Art Collection, Carlson Center for Imaging Science

Seattle University Art Collection, Sinegal Center for Science and Innovation

Private collections of individuals and businesses across the US

OPEN SOURCE PROJECTS

SignalShow educational signal processing visualization software, 2008

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PROFESSIONAL EXPERIENCE

Small Business Owner, Online Sales, Art Books and Art Supplies (2017-2025)
Editor and publisher, *Circle Portraits* by Laura Rafferty (2017)
Google, Webmaster Tools Team, Software Engineering Intern (2012)
Microsoft Research, Interactive Visual Media Group, Intern (2011)
Research Assistant, UW CSE (2010-2016)
Editor, *Thinking about Equations* by Matt Bernstein and William Friedman (2009)
Notetaker, RIT/National Technical Institute for the Deaf (2005-2009)
Research Assistant, RIT Munsell Color Science Laboratory (2009)
Software Developer, RIT Imaging Science (2007-2009)
Black River Systems Company, Systems Engineering Intern (2007)

TEACHING EXPERIENCE

Computer Programming and Art Week with Michael Cohen, Teacher (2012)
UW CSE Teaching Assistant: Art & Science of Digital Photography, Graphics Seminar, Programming Languages (2009-2012)
RIT Imaging Science Teaching Assistant: Digital Image Processing I & II (2008-2009)
E-magination Computer Camps, Counselor and Curriculum Developer (2006)
Carleton College CS, Prefector, Data Structures (2005)

VOLUNTEERING

Gallery Volunteer, Kirkland Arts Center (2021-2022)
Technical Papers Reviewer, SIGGRAPH Conferences (2015)
Student Volunteer, CVPR, ICCP, 3DV Conferences (2011-2013)
President, Society of Imaging Science & Technology, RIT Student Chapter (2008-2009)

AWARDS AND FELLOWSHIPS

Visual Impressions 2023 Curator's Award
NVIDIA Graduate Research Fellowship
John Wiley Jones Outstanding Student in Science (RIT)
RIT Davis Leadership Scholar
RIT Outstanding Undergraduate Scholar
National Merit Scholar