Jane Elizabeth Crayton aka Jane daPain
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EDUCATION

M.A.	Art Education	University of New Mexico, Albuquerque, NM	Dec, 2015
B.A.	Media Studies	University of Colorado, Boulder, CO	May, 2010
A.A.	Graphic Design	Arapahoe Community College, Littleton, CO	Dec, 2001

WORK EXPERIENCE

Makerspace Coordinator, University of Wyoming, Information Technology, Coe Student Innovation Center, Lecturer, Honors College, University of Wyoming Instructor, College of Education, University of Wyoming, Practicum Supervisor, College of Education, University of Wyoming (August 2019 - 2022*)

Digital Media Specialist (Contract), documentary, videography, website administration, immersive development, spherical photography, photogrammetry, Rio Verde Archaeology - Department of Anthropology, University of Colorado at Boulder (Spring 2011 – 2022*)

Extension Agent, STEAM 4-H Youth Development After-school and In-school Enrichment, AmeriCorps Supervisor, Principal Investigator, Colorado State University, Extension, Pueblo County, (April 2016 – June 2019)

Museum Associate, Department of Education, Children's Museum of Denver, Denver, CO. (Jan. 2016 - March 2016)

STEM Instructor, lesson developer, summer camp instructor, after-school and wilderness program instructor, Science Discovery, University of Colorado at Boulder (Spring 2009 - Summer 2012)

* indicates current position.

RESEARCH & GRANTS

CNH2-L: The Dynamics of Socio-Environmental Systems, Urban Depopulation, and Societal Stability, University of Colorado at Boulder, Dept. of Anthropology, National Science Foundation. (2021-2025), Professional Collaborator

Tinker Tots - Computational Tinkering - Case Study, Provost Strategic Investment Fund project in early childhood, University of Wyoming (2022-2023) Co-investigator

Equality is greater than Division - Case Study and Art Showcase, Social Justice Research Center, University of Wyoming (2022-2023) Principal Investigator

Lights on Laramie - A Projection Mapping Project, Wyoming Arts Council, National Endowment of the Arts, American Artist Recovery Act (2022) Artist

Rio Verde Virtual Field Experience, Center for Global Studies, University of Wyoming, International Research Grant for Faculty and Staff (2022) Principal Investigator

Designed to MakeHER, Wyoming Afterschool Alliance, Coe Student Innovation Center & Albany County 4-H. STEMnext Opportunity Fund. (2020-2022) Director

Creative Critical Action - IOT Climate Justice Kit, SciCommMake, Sigma XI, Association of Science Communication, Communicating Just Climate Solution, (2021) Pitch Winners

Pokes Making the Future, University of Wyoming, Coe Student Innovation Center & Albany County 4-H. Cognizant Foundation - Making the Future Grant. (2020/2021) Principal Investigator

TinkHER, University of Wyoming Office of Engagement and Outreach. Community Engagement Grant, (2020) Principal Investigator

MakeHERspace, University of Wyoming Office of Engagement and Outreach Women's Suffrage Grant, (2019 - 2020) Principal Investigator

Vaughan Planetarium Digital Dome Upgrade, ASUW Special Project Funding (2019).

BeeWise, eXtension Foundation Innovation Grant, Colorado State University Extension, Colorado Corn Grant, Colorado 4-H Foundation, SparkFun Electronics (2017-2018) Principal Investigator

Making the Future after-school and summer Enrichment, Cognizant, Making the Future, Pueblo County 4-H Foundation (2017) Principal Investigator

Designing for Immersive Technology, Integrating Art and STEM Learning, University of New Mexico, ARTSLab, Interaction and Disciplinary Design in Educational Activity (IDDEA) Lab, (2013-2015) Graduate Student

Fulldome Development for Interactive Immersive Training Capabilities, Department of Defense Grant, Institute of American Indian Arts, Digital Dome and University of New Mexico, ARTSLab. (2012 – 2014) Graduate Student

Fulldome and Immersive Technology, Partnership for Innovation, National Science Foundation, University of New Mexico, ARTSLab (2011) Graduate Student

Rio Verde Human Ecology Project, National Historic Society RIHA Program (funded by the Templeton Foundation) Sonoma State University, Dept. of Anthropology. (2012 – 2014) Professional Collaborator

Religion & Politics in the Lower Rio Verde Valley and Rio Verde Archaeology, National Science Foundation, University of Colorado at Boulder, Dept. of Anthropology. (2011 – 2018) Professional Collaborator

PUBLICATIONS

Crayton, J. (2019). Making the Future After-school Enrichment Program Impacts Underserved Youth with Mobile 4-H STEM/Maker Program. V. Wilczynski (Ed.). Proceedings of the 4th International Symposium on Academic Makerspaces (ISAM). New Haven, CT: Yale University Press.

Crayton, J. (2018). The Event Horizon for the Horizon Report: Inclusivity in Extension Programs. Journal of Extension, 56 (1)

Crayton, J. (2015). Designing for immersive technology: Integrating art and STEM learning. (Masters Thesis) Retrieved from Lobo Vault.

Crayton, J. and Svihla, V. (2015). Designing for Immersive Technology: Integrating Art and STEM Learning. *The STEAM Journal*, 2(1)

Crayton, J. (2015). Teaching creative critical action beyond economy in the art of techno-ecology: Approaches for integrating technology ethics with STEM art education. *Journal of Technologies in Education, 10*(3–4).

TEACHING EXPERIENCE

Albany County 4-H, Robotics, Makerspace, Beekeeping, University of Wyoming, (2019-2022)

HP 3153-01 Arts in Social Justice, Honors College, University of Wyoming, (2022)

EDEL 3170-01 Art in the Elementary School, College of Education, University of Wyoming, (2020)

STEAM / 4-H Youth Development, Director of STEM after-school, in-school enrichment and summer camp programs for Colorado State University Extension (2016-2019)

Adobe Kickbox Facilitator, eXtension Foundation Impact Collaborative Design-a-thon DesignThinking (Professional Development) Colorado State University Extension. (2017-2018)

Children's Museum of Denver at Marisco Campus, Department of Education, (2016)

Creative Strategies for Change, After-school Arts Programs, Grant Beacon Elementary School, (2016)

Fulldome Summer Internship, (case study) University of New Mexico, ARTSLab, (Summer 2013)

Digital Imaging for the Dome, University of New Mexico, ARTSLab & Institute of American Indian Arts, (Spring 2013)

CS200 Advanced Fulldome, University of New Mexico ARTSLab and Institute of American Indian Arts, (Spring 2013)

Video Remixed, STEM Arts Project, Taos Academy, Taos New Mexico (2010)

Science Discovery, University of Colorado at Boulder, summer and after-school STEM, (2009-2012)

Substitute Teacher K12. Park County School District, Fairplay, Colorado (2002/2003)

ASSISTANTSHIPS, INTERNSHIPS, FELLOWSHIPS, WORKSTUDY

Immersive Educator, Researcher, Dome Technician - Department of Defense (DoD) grant, ARTS Lab, University of New Mexico. (Fall 2012 - Fall 2014)

Educational Technology and Instructional Designer, iPad Application Development, Research Software Lesson Development, E-learning Modules and Tutorials, Help Desk for College of Education, Center for Student Success, University of New Mexico. (Fall 2012 - Spring 2013)

Immersive iPad Application Developer, Department of Music, University of New Mexico, (Summer 2012)

Dome Technician, Researcher - Partnership for Innovation (PFI) grant, ARTS Lab, University of New Mexico (Fall 2011 - Spring 2012)

STEM + Art Education coordinator for ISEA 2012 Conference, College of Fine Arts, University of New Mexico, (Spring 2011)

Boulder County Art Alliance (BCAA) (Spring 2009)
Grant writer for BCAA, through a grant writing course at the University of Colorado. I worked on a number of grant proposals, to support their mission of alternative arts education in Boulder County.

Digital Media Specialist, documentary, videography, photography, motion graphics, website development, Laboratory for Atmospheric and Space Physics (LASP), University of Colorado at Boulder, (Spring 2004 - Fall 2005)

Planetarium Media Specialist, Fiske Planetarium, University of Colorado at Boulder (Spring 2003 - Fall 2003)

Help Desk, System Administration and Information Technologies, Bursars Office, University of Colorado at Boulder (Summer 2002 - Fall 2002)

AWARDS

Wyoming Women's Antelope Hunt, Goddess of the Hunt, Wyoming Women's Foundation (2022)
Sigma Xi, SciCommMake, Communicating Just Climate Solution, Award Winners (2022)
UW, EPSCoR, Own It!, STEM Professional Award (2020)
UW, Office of Engagement and Outreach, Marvin Millgate Engaged Staff Award (2020)
Pueblo City Schools - Community Support and Partnership Award (2019)
Extension Professionals Assoc. (ESP) Zeta Chapter – Visionary Leadership Award (2017)
CSU Extension Peaks and Plains – Program Innovator Award (2017)
eXtension Foundation Innovation Award, BeeWise (2017)
Flipside Best Art Installation Award, Obscura 360, Burning Flipside, Austin, TX. (2014)
University of New Mexico, Art Education – Graduate Scholar Award (2013)
Technology, Knowledge and Society – Graduate Scholar Award (2012)
Artist Footprints at the Biennial of the Americas, Redline Gallery, Denver. (2010)
Mini Movie Festival, Zero One. ISEA. San Jose. (2007)
Astrobiology Magazine – Front Cover – Graphic Design Award (2005)

PROFESSIONAL EXPERIENCE

GeekOUT - Q+ Makers, Program Director, University of Wyoming, Student Innovation Center (2022)
PokeBot - Pokes doing strange things with technology, Program Director, University of Wyoming, Student Innovation Center (2019-2022)
Designed to MakeHER Scholars, Program Director, University of Wyoming, STEM Next Foundation, Wyoming Afterschool Alliance, Wyoming Community Foundation (2020 & 2021)
Wyoming Latina Youth Conference, STEM & Virtual Conference Coordinator, School of Culture, Gender and Social Justice, University of Wyoming. (2020, 2021)

Colorado Maker Hub, Board of Directors, (2019 – 2020) serve as a member of the board of directors for the Colorado Maker Hub, Chair for Finance and Grants Committee.

Extension Professional Association, National ESP Conference 2019, Co-Chair, (2018 & 2019) Designed conference badge and poster, coordinated online auction, organize speakers and professional development series. Assist in logistics of conference planning. Chair IT/Media Committee, Chair Deco/Entertainment Committee, Co-Chair Auction Committee

CSU Extension Work Groups, STEM & K-12, Participate in workgroup sessions, organize educational events. (2016, 2017, 2018, 2019)

Inclusivity Committee, Nation of Makers, Member (2018) collaborated on planning meetings, participated in development of Inclusive Action Cards for Nation of Makers at the 2018 summit.

NAE4-HA Diversity and Inclusivity Committee, Colorado State University, Secretary (2017-2018) provided notes, organized meetings, meeting notes and agendas.

Adobe Kickboxing (Design Thinking), Facilitator (2017/2018) Hosted Design-a-thon One, Portland, Oregon, training material development and implementation, hosted innovation incubation session for Extension professionals.

Colorado Pollinator Network, Education and Professional Development Committee Member, (2016, 2017, 2018) Coordinate and participate in regional and statewide activities around pollinator education.

Pueblo Mini Maker Faire, Maker Media. Lead Producer (2017) Coordinated contract with Pueblo County, Colorado State University Extension, Colorado State Fair and

Maker Media, venue logistics and coordinated vendors and makers, coordinated marketing and website development, signage and ticketing.

Immersive Education K-12 Summit, Local Chair Work with the summit committee, organized local summit activities in Colorado for 2017 Summit. (2013-current)

Giant Screen Research Workshop Invitation only, two-day think tank and workshop on immersive technology and research. Funded as part of the AISL, National Science Foundation (2013)

Immersive Media Entertainment, Research, Science and Arts (IMERSA) Summit Working closely with IMERSA Board of Directors, and DMNS staff to coordinate workshops, lectures and live performances in the fulldome. (2012, 2013)

Denver Museum of Nature and Science Volunteer Galaxy Guide for Space Odyssey Exhibit, and planetarium technologist at Gates Planetarium. Founder of the Live Interactive Dome (LID) group 2006 at Gates. The group focused on innovating opportunities for live interactive performances in the planetarium. (2003 - 2013)

Dorkbot303 Founder of Dorkbot303, the Colorado chapter of "people doing strange things with electricity." I served as curator, promoter and host of the interactive artist series which happened quarterly in Denver/Boulder, showcasing visiting and local electronic artists and makers. (2006 - 2012)

Girls Rock Denver Taught technology workshops to girls participating in the summer program. I designed two courses (DJing in Ableton and building a piezo microphone). I also supported the camp by working with the girls to create music videos for their bands and provided audio/visual support for the camp and final performances. (2010 & 2011)

EXHIBITIONS, WORKSHOPS, PRESENTATIONS AND LIVE PERFORMANCES

Lights on Laramie - A Projection Mapping Project, Depot Park, Laramie, WY, Wyoming Arts Council (2022)

Lights on Laramie - A Projection Mapping Project, Washington Park Bandshell, Laramie, WY. Wyoming Arts Council (2022)

Dodeca Shadows, Interactive LED Sculpture, Elsewence, Bailey, Colorado (2022)

Abstract Projection Mapped Stage, Eddy Out, Buena Vista, Colorado (2022)

Introduction to Printed Circuit Boards, Conference Workshop, Makerspaces for Innovation and Research in Academics (2022)

Internet of Things (IoT) Clean Air Social Justice LED Sign Kit, Sigma Xi - SciCommMake Challenge, Laramie, WY (2022)

Project-based Arts and Computational Making drive STEM Learning in the Makerspace, Full STEAM Ahead Conference, Casper College, Wy (2021)

Magic School Bus, Projection Mapped Stage, Eddy Out, Buena Vista, Colorado (2021)

DJ/VJ Culture, Projection Mapped Bandshell Stage in Washington Park, Laramie, WY (2021)

Political Virus, Live Video Remixed, You Tube & Twitch, (2020)

Making the Future After-school Enrichment Program Impacts Underserved Youth with Mobile 4-H STEM/Maker Program, International Symposium on Academic Makerspaces, Conference Paper and Presentation, Yale, New Haven, NJ (2019)

Maker Movement, Augmented & Virtual Reality, Emergent Technology in Extension, Extension Professionals Improvement Conference EPIC, Laramie, WY, University of Wyoming (2019)

BeeWise, Internet of Things (IoT) Smart Hive Kit Demonstration, National Western Complex, Maker Faire Denver (2018)

BeeWise, Internet of Things (IoT) Smart Hive Kit Demonstration, Breckenridge Resort, Colorado State University Extension, Mega Meeting (2018)

STEAMaker Family Eclipse Activities and Solar Viewing Workshops, Boysen State Park, Wyoming Parks and Recreation, Wyoming (2017)

Making the Future: Citrus powered LED dream catchers, Bay Area Maker Faire, Cognizant (2017)

BeeWise, Internet of Things (IoT) Smart Hive Kit & 4-H Youth Development, Denver Botanic Gardens, Colorado Pollinator Summit, (2017)

BeeWise, Internet of Things (IoT) Smart Hive Kit & 4-H Youth Development, Keystone Resort, Colorado State University Extension, Mega Meeting (2017)

Rio Verde Archaeology Virtual Field Experience: Making 3D artifacts from gamification, Arizona State University, Citizen Science Maker Summit (2016)

Rio Verde Archaeology Virtual Field Experience, Otero Junior College, Immersive Education (iED) Summit (2016)

Installation & Video Mapping , Rancho del Rio, Mother Earth Sound System (2016)

Spherical Photography and Photogrammetry for Unity Environments, Loma Linda University, EXSEED Summit (2015)

Live interactive dome, VJ & Unity Gaming, Interactive Dome Event, ARTS Lab & IAIA, DOD grant educational public outreach (2015)

Coi, LED Sculpture, Subduction Zone Events, Cottonwood Hot Springs, Buena Vista, CO (2015)

Dia de los Muerto Installation and Video Mapping, Mother Earth Sound System, Denver, CO (2014)

Designing for immersive technologies engaging STEM and art. Super Computing Conference. Center for Advanced Research Computing (2014)

vDome to create immersive dome and live VJ experiences with a VR toolchain, Voices of VR Podcast, (2014)

Designing for immersive technologies engaging STEM and art. iED Summit (immersion 2014) Getty Museum & Loyola Marymount University, (2014)

Obscura 360, Installation, Apogaea Festival, Bailey, CO (2014)

Obscura 360, Installation, Burning Flipside Festival, Austin, Texas (2014)

iSTEMart, Super Computing Conference. Center for Advanced Research Computing (2013)

Electrospective History: Effects of Electronic Music & Live VJ Performance on Human Consciousness Arise Music Festival, Loveland, CO (2013)

Circuit Bending "Bent Not Broken" Denver County Fair (2013)

Video Installation & Video Mapping, Arise Music Festival, Loveland, CO (2013)

Aztec Installation & Video Mapped Installation, Foundation Industries, New Mexico (2013)

iSTEMart education, iED Summit (immersion 2013) Boston, MA (2013)

Fulldome Video Mixing w/ vDome Software, An Interactive Evening with IMERSA, IMERSA Summit, Denver Museum of Nature and Science, Gates Planetarium (2013)

Immersive Education and Spherical Photography, IMERSA Summit, Denver Museum of Nature and Science (2013)

Video Mapping, Red Earth Collective, Santa Fe, New Mexico (2013)

Video Mapping with Resolume & IrMapio, Strategy of the Commons, Sister Bar, Albuquerque, NM (2013)

Equalizer, Video Mapped Installation, Strategy of the Commons: Bass Therapy, Sister Bar, Albuquerque, NM (2013)

Ursonate Project, Super Computing Conference in Seattle Washington, Center for Advanced Research Computing (2012)

Immersive Landscapes, Super Computing Conference. Center for Advanced Research Computing (2012)

Ursonate Project, ISEA 2012, Lockheed Martin Dyna Theater, New Mexico Museum of Natural History and Science, (2012)

Using Touch OSC iPad with Ableton, DJ controller workshop. Syntonic Music Festival (2012)

Immersive Landscapes, Denver, Gates Planetarium, University of Colorado at Boulder Science Discovery (summer 2011, 2012)

Video Mapped Installation, Dia de los Muertos, Mother Earth Sound System, Denver, CO (2012)

Live Video Mixing Performance, Tribal Visions, Taos, NM (2012)

Light & Sound Responsive Box Truck, Pressurized: Lower East Side Market, Boulder, CO (2012)

Video installation and Video Mixing, Dia de los Muertos, Mother Earth Sound System, Denver, CO (2012)

Ambient Perspectives from a Lady, Live audio performance, Titwrench Festival (2011)

Video Remixed, DJing with Ableton, Denver, Girls Rock Denver (2011)

Creative Critical Action beyond Economy into "Techno-Ecology", Istanbul, ISEA (2011)

Ursonate, National Lambda Rail optical network, live telepresence performance, Super Computing Conference. Center for Advanced Research Computing (2011)

Immersive Landscapes, Boston, Immersive Education (iED) Summit (2011)

Circuit Bending, Denver, Dorkbot303 (2011)

Pollination Station, Artist Footprints, Biennial of the Americas, Redline Gallery, Denver, CO (2010)

Video Remixed, Taos, Taos Community Arts, Stables Gallery, STEM +Arts, Taos Academy - STEM Arts Education Inquiry (2010)

Circuit Bending, Denver, Transistor Sound Art Festival (2010)

Building Your Own Piezo Microphone, Denver, Girls Rock Denver (2010)

Circuit Bending, Denver, STEMapoloza (2009)

Mediakompentenz, Berlin, Transmediale Digital Art and Culture (2009)

Remote Presence & Streaming Life, Helsinki via Boulder, Pixalache (2007)

Letters Past Due, Object and Thought Gallery, Denver (2007)

Espana Interactive, Object and Thought Gallery, Denver (2007)

Experimental New Media of Jane daPain, Denver, Dorkbot303 (2006)

Monster Laptop Rally, Denver, Ableton Software (2005)

Theories in live collaborative video mixing with Keyworx Net, Buffalo, SUNY Net Art & Collaboration (2004)

Extended list available at https://janedapain.net/events.html