KYLE DUFFIELD

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BIOGRAPHY

Kyle Duffield is a Toronto-based interactive experience designer specializing in immersive installations and brand activations. Recognized for his Affiliation with *Electric Perfume* studio and gallery, he brings over a decade of experience in audio, video, creative coding, electronics, and interaction design to public spaces. An educator and Max Certified Trainer, Kyle has led interactive media workshops across North America, the UK, and Shanghai. He currently serves as *Lead Interactive and Immersion Designer* at *Cultivate Collective* and *Educational Director* at *Demo Room*.

CAREER HIGHLIGHTS

- Has exhibited interactive works in over 60 events and exhibitions, including venues such as *Corus Quay*, *Fleet Science Centre* (San Diego), *Ottawa Art Gallery*, *Art Gallery of Hamilton*, *Museum of Contemporary Canadian Art*, *The Royal Conservatory of Music: Koerner Hall*, *Masonic Temple* (Toronto), and the *Canadian Broadcasting Centre*.

- Creative work featured by *CTV Breakfast Television*, *Vice*, *Space Channel Inner Space*, *Discovery Channel Daily Planet*, *FITC*, *YouTube Nation*, *Make: Magazine*, *Arduino*, and *Adafruit*. Curatorial shows and exhibits featured on Vice Media, *Space Channel Inner Space*.

- Co-Founder, Technical and Educational Director of *Electric Perfume*, Toronto based studio dedicated towards the creation and exhibition of immersive interactive experiences, technological art and design, and community initiatives for harboring digital skill sets and literacy.

- Creative Technologist for *Terrors of the Breakfast Table*, the first Digital Interactive Installation to be acquired for the *Art Gallery of Hamilton*'s permanent collection.

- Past commercial clients and collaborations; *Somewherelse (for Lululemon, Labatt, Aurora Cannabis, Reese's), TIFF Bell Lightbox*, *Absolut*, *Steamwhistle Brewery*, and *Ubisoft.*

- Sessional Instructor at *OCADU* and Instructor at *Music Hackspace* (online, UK) leading industry certification courses in *TouchDesigner* (sponsored by *Derivative*), and Max 9 (sponsored by *Cycling '74*). Currently the first and only *Cycling '74 Max Certified Trainer* residing in Canada. Previous teaching experience includes Guest Lecturer at *Shanghai Conservatory of Music*.

CREATIVE AND TECHNICAL EXPERTISE

- Interactive installation and activation creation
- AI-driven systems and agent-based interaction design
- Creative technology integration and prototyping
- Audio-visual composition, video projection, generative media, and real-time responsive environment design
- UI/UX, experimental interface, and alternative controller design for physical spaces and events
- Cross-disciplinary collaboration and creative technical consultancy

SOFTWARE AND TOOLS

- Ableton Live, Max 9, Max For Live, Resolume Arena, Adobe CC, Figma
- AI/ML/LLM and CV frameworks (OpenAI, ElevanLabs, Hume AI, Media Pipe)
- Arduino, Raspberry Pi, electronics prototyping, addressable LEDs, sensor systems and physical computing
- Python, Processing, p5.js, HTML, CSS, JavaScript, GSAP3, DMX/ArtNet

CREATIVE INDUSTRY EXPERIENCE

2012 - Present — Interaction Experience Artist & Designer/Digital Strategist, *Freelance*

Create immersive interactive experiential installations for arts, cultural, and marketing events. Strategize with organizers and planners to create experiences and maximize audience engagement. Lead direction and offer technical solutions for interaction design and custom software for interactive creative work.

2025 - Present — Lead Interaction & Immersion Designer/Educational Director, *Demo Room*

Researched, developed, and deployed interactive and immersive experiences for client projects. Spearheaded educational programming and community outreach initiatives.

2024 - 2025 — Research Assistant, bioMeci

Development of biometric based creative applications based off of bioMeci's hardware interface *The Source* as part of *York University*'s *nd:Lab*.

2021 - 2025 — Technical Lead, Researcher & Educator, *InterAccess*

Collaboratively researched, designed the hardware and software infrastructure and system UX of the *IA 360° Immersive Projection Environment*. Co-curated *IA 360° Showcase Exhibition*. Responsible for further research as well as developing community and educational/training initiatives.

2015 - 2023 — Director of Educational & Technical Strategy, *Electric Perfume*

Manage creative projects for clients. Research, strategize, and implement technological infrastructure in gallery. Co-curate events, and exhibitions. Lead the development and creation of compelling educational experiences, outreach initiatives, and branding. Draft and implement policy and contracts.

EDUCATION

2024 - Present — York University

Currently pursuing M.A. in Digital Media. Expected Graduation 2026. Accepted with scholarships and fellowships.

2006 - 2011 — Ontario College of Art & Design University (OCADU)

B.F.A in Integrated Media; Digital and Media Studies Minor.

Graduated with awards and scholarships.

TEACHING EXPERIENCE (INSTITUTIONAL)

2011 - 2025 Sessional Instructor / TA, *OCADU University*

Design courses on interactive experience techniques using TouchDesigner, Arduino, and Processing for *Faculty of Design, Digital Futures Undergraduate* and Graduate Studies. As a TA, design courses related to programming, interactive art/design, electronics, game design, web design, and audio/video post-production.

2011 - Present Contract Instructor, *Freelance*

Facilitate workshops courses at related to coding, interactive art, media art and design. *OF Course* (Shanghai), *Music Hackspace* (London, UK), *Mutek* (Montreal), *InterAccess Electronic Media Arts Centre*, T*rinity Square Video*, *SAW Video* (Ottawa), *Judith and Norman ALIX Art Gallery*, *St. George's Senior School* (Vancouver), and *Electric Perfume*. Sponsored workshops by Cycling '74 and Derivative.

2020 - 2025 Part-Time Professor, *Durham College*

Facilitate web animation and interaction design courses using *HTML*, *CSS*, *JavaScript*, *jQuery*, *GSAP3, Figma*, and micro:bit, topics such as UI/UX, as well as graphic design and motion graphics courses using *Adobe Photoshop*, *Adobe Illustrator*, *Adobe After Effects*.

2018 - 2021 Guest Professor, *Shanghai Conservatory of Music*

Design course related to electronics prototyping with *Arduino* and interaction design with *TouchDesigner*.

SELECTED EXHIBITIONS / SCREENINGS / PERFORMANCES / EVENTS

Body Electric, Charles Street Video Group Show	Toronto	2025
Feed the Fires, InterAccess Electronic Media Arts Centre Solo Show, Collaboration w/ Sôhkêpayin Collective (Creative Technologist)	Toronto	2025
MindTravel, Fleet Science Centre Collaboration w/ Murray Hidary	San Diego	2025
MindTravel, MARJCC Collaboration w/ Murray Hidary	Miami	2024
Space Mosque, Weston Common Arts Hub Collaboration w/ Safiya Randera (Creative Technologist)	Toronto	2024

SELECTED EXHIBITIONS / SCREENINGS / PERFORMANCES / EVENTS (cont.)

Planet T'Karonto, InterAccess Electronic Media Arts Centre As Electric Perfume, Group Show	Toronto	2024
Space for Grief, Evergreen Brickworks Collaboration w/ Method Collective	Toronto	2023
Lumen Festival, As Electric Perfume, Group Exhibition	Waterloo, CA	2022
Beyond the Runiverse, Iron23 As Electric Perfume	New York	2022
Lululemon, 318 Queen St. W Location As Electric Perfume	Toronto	2022
Exit Points #18, Online VJ Set for online musical performance	Online	2021
Asaimîna ᐊᓴᐃᑦ ᐃᓇ All Over Again, Ontario Science Centre (online) Collaboration w/ Jason Baerg (Creative Technologist)	Toronto	2020
Kuné, The Royal Conservatory: Koerner Hall Collaboration w/ Jason Baerg (Creative Technologist)	Toronto	2020
LAI Family Day, Living Arts Centre As Electric Perfume	Mississauga, CA	2020
Codex, OCADU Onsite Gallery Collaboration w/ Jason Baerg (Creative Technologist)	Toronto	2020
TIFF Boombox, TIFF Bell Lightbox As Electric Perfume	Toronto	2019
Handeye Society Ball, Masonic Temple As Electric Perfume	Toronto	2019
Wavelength Festival, Stackt Market As Electric Perfume	Toronto	2019
TIFF Picture Palace, TIFF Bell Lightbox As Electric Perfume	Toronto	2019
Toronto Light Fest, Distillery District As Electric Perfume collaborating w/Somewherelse	Toronto	2019
Eternal Sun Festival, Chai Garden Ashram VJ Performance	Belize	2019
Scream Whistle, Steam Whistle Brewery As Electric Perfume	Toronto	2018

SELECTED EXHIBITIONS / SCREENINGS / PERFORMANCES / EVENTS (cont.)

Manifesto Festival, Drake Hotel As Electric Perfume	Toronto	2018
Ubisoft Night Circus, Canadian Broadcasting Centre As Electric Perfume	Toronto	2017
I Have A Right, Art Gallery of Hamilton Collaborative Project (Creative Technologist)	Hamilton	2017
Scream Whistle, Steam Whistle Brewery As Electric Perfume	Toronto	2017
Ubisoft Toronto Holiday Party, Branksome Hall As Hopkins Duffield	Toronto	2016
Absolut Nights Toronto, 2nd Floor Events Collaborative Project, Featured Artists	Toronto	2016
MKULTRA, Kleiner Salon As Hopkins Duffield, Group Exhibition	Berlin	2015
Videodrome, Museum of Contemporary Canadian Art As Hopkins Duffield, Group Exhibition	Toronto	2015
Terrors at the Breakfast Table, Ottawa Art Gallery Collaborative Project, (Creative Technologist) Curated by Ola Wlusek	Ottawa	2015
Hive, New Adventures in Sound Art As Hopkins Duffield, Solo Exhibition As part of Nuit Blanche & Toronto Culture Days	Toronto	2014
Supercrawl, The Factory Media Centre As Hopkins Duffield, Solo Exhibition	Hamilton	2014
Terrors at the Breakfast Table, Art Gallery of Hamilton Collaborative Project, (Creative Technologist), Curated by Melissa Bennett	Hamilton	2014
Experimental Media: Cyber In Securities, Corcoran Gallery As Hopkins Duffield, Group Exhibition, Juried by Jason Eppink	Washington, DC	2013
Vector, InterAccess Electronic Media Arts Centre As Hopkins Duffield, Group Exhibition	Toronto	2013

SELECTED ARTIST TALKS / PANELS/ LECTURES / PAPER PRESENTATIONS

May 28, 2025	ISEA International, Seoul, Korea Paper presentation
2023-2024	Music Hackspace, London, UK (online) Participating in eight online artist talks as well as host TouchDesigner Meetup online sponsored by *Derivative*.
July 4, 2023	Creating New Spaces (online), Melbourne, Australia Online talk *Prototyping and Iterating During the Making of Schwister* with Daniele Hopkins.
April 7, 2022	Montgomery County College (online), Philadelphia, USA Online interview on the topics of interactive experience art, design and *Max 8* and *Arduino* for *The Language of Digital Media* Course.
Dec 15, 2021	Sandbox Sessions, (online), Waterloo *Electric Perfume* presentation at *techParty* on creative and technical approaches on incorporating audience participatory interactive art and alt-controller gaming experiences.
Mar 14, 2021	Guthman Musical Instrument Fair, Georgia Tech School of Music, USA Online *Hopkins Duffield* presentation and discussion of interactive audio installation *Hive 2.0*, sponsored by *Cycling '74.*
Feb 17, 2020	LAC Family Day 2021, Living Arts Centre, Mississauga *Electric Perfume* lecture on alt-controller gaming.
Apr 30, 2019	FITC, The Hilton, Toronto *Electric Perfume* lecture *The World is Your* Button on business of experiential art, design, alt-controller gaming, and running a space.
Oct 18, 2018	ChangeUp, Toronto Media Arts Centre, Toronto *Electric Perfume* lecture on interactive art, design and alt-controller gaming.
Sept 28-29, 2016	Forms Festival, The Great Hall/Rally Ossington, Toronto *Hopkins Duffield* participated in one artist talk and one panel Discussion for *Forms* Festival.
July 26, 2015	Make Change Conference, STEAMLabs, Toronto Hopkins Duffield talk outlining the workflow and process of creating interactive art installations.
June 6, 2015	Creating Interactive Video, SAW Video, Ottawa Collaborative lecture/workshop with Tyler Tekatch outlining the process of creating *Terrors of the Breakfast Table*.

RESIDENCIES

2023	Creative Technologist supporting Sôhkêpayin to develop cross-cultural Indigenous led AI-driven installation organized by the Ainu in Hokkaido, Japan.
2021	St. George's Artist Week Residency (online), Vancouver, BC
2019	St. George's Artist Week Residency, Vancouver, BC
2015	VibraFusionLab Residency, *London*, ON
2013 - 2014	Site 3 Artist Residency, *Toronto*

AWARDS / GRANTS / ACCOMPLISHMENTS

York University, *CIBC Graduate Student Fine Arts Award*	2026
York University, *Academic Excellence Fund*	2025
York University, *Graduate Fellowship*	2024
York University, *Graduate Scholarship*	2024
Toronto Arts Council, *TAC Media Arts Grant*	2015
Ontario Arts Council, *OAC Exhibition Assistance* Recommender: InterAccess Electronic Media Arts Centre	2014
OCADU, Integrated Media Faculty Award	2011
OCADU, *Sumo Art and Technology Scholarship*	2009