

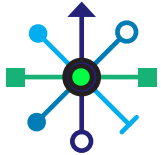
Lee **Wilkins.**

Community Leader, Educator & Technologist

www.LeeCyb.org
Hello@LeeCyb.org - 514 717 9700

Community Leader. Educator. Technologist.

AT A GLANCE: I am a community leader and educator working with teams to share knowledge, information, and technology. I have a background in wearable tech, cybernetics, academic research, and creative tech.



LEADING

Outreach, fundraising, team building, organization, community building, diversity and inclusivity, event planning, volunteer coordinating, mentorship, coaching, facilitation, team growth and development.



TEACHING

Curriculum design, undergraduate teaching, youth outreach, technical workshops, design thinking, feminist pedagogy, accessibility, popular education, Inquiry and based teaching.



MAKING

Digital Fabrication: Laser cutting, 3D Printing, CNC, electronics, Arduino, welding, wood working, shop safety, soldering, wearable technology, soft circuits, Adobe CS Augmented/Virtual reality.



PROGRAMMING

HTML5, CSS3, JavaScript, jQuery, React.js, Ember.js, Angular.js, PHP, C++, Unity, UDK, Processing, P5.js, Arduino, Wordpress, OpenFrameworks, Twine, Python, C#, Node, Ember.js, Cordova/ phone gap, agile development.

Leadership

Head of Community Initiatives - Milieux Institute, Concordia University
2021- PRESENT. Creating and expanding on community initiatives and opportunities.
MILIEUX.CONCORDIA.CA

Open Hardware Summit Chair - Open Hardware Association
2021-PRESENT. Leading the organization of the annual open hardware summit with a small team OSHWA.ORG

Senior Manager - R&D, Sheertex
2020-2021. I led a team of fibre scientists, designers and engineers in doing experimental polymer science in Montreal working on the world's first unbreakable hosiery. SHEERTEX.COM

Co-Executive Director & Co-Founder, Little Dada
2014-2021. Co-leading a small no profit, running events, writing grants, managing teams. LITTLEDADA.CA

Senior Technical Lead, Ryerson Library Colaboratory
2017 - 2018. Designing lab and maintaining digital fabrication tools for the first faculty research lab led by the Ryerson University Library. RYERSON.CA/COLAB

Director of Education, STEAMLabs Makerspace
2015 - 2018 I led a team of creative technologists in building an education program and physical location for this large Makerspace in Toronto from the ground-up.
STEAMLABS.CA

Prototyping Manager, Make Works,
2017 Produce functional prototypes for clients using digital fabrication methods.
MAKEWORKS.CA

Education

PhD student: Faculty of Information.
University of Toronto. 2018 - present. Dissertation subject is outer space infrastructure and feminist STS.
Advisor Dr Sarah Sharma

PhD student: Social Justice Education
OISE University of Toronto, 2017 - 2018

Masters of Fine Art (MFA) in Digital Futures
OCAD University, 2012 - 2014.
Advisor Simone Jones

BFA Computation Arts Specialization.
Concordia University, 2009-2011

DEC Visual Arts,
Dawson College. 2006-2008

**Social
Entrepreneurship
Bootcamp** - Growth,
Centre for Social
Innovation, 2016

**Laser Safety
Training**
ANSI Z136.1-2014
University of
Toronto, , 2019

**Canadian Film
Centre Medial Lab.**
2013

**WHMIS
CERTIFICATION**
Renewed 2020

Academic Teaching

I teach a variety of technical and theory based classes to both graduate and undergraduate students. My classes build theory and practice together, centering the existing experience and knowledge of learners in the discovery process. Collaborative, iterative, and explorative processes are used to engage students on topics from basic electronics, to wearable design concepts, critical theory, and programming.

Physical Computing OCAD University Digital Futures, 2016 - 2021. Arduino and basic electronics for artists, both technical and creative implementation of electronics. DIGF 2002

Emerging Media Practices: Cybernetics and Body Centric Technologies Ryerson University, New Media 2018 - Present
Theoretical and hands-on exploration of cybernetics, the current, and future wearable technology industry and scene. RTA 968

Wearable Electronics Ryerson University School of Fashion 2018 - 19. Wearable electronics integration from a fashion apparel perspective FSN 599

Wearable Electronics Studio OCAD University Digital Futures 2017 - 2020. Smart fabrics, DIY sensors, and smart materials exploration of industry and art for interdisciplinary students. DIGF 2016

Wearable Computation OCAD University Digital Futures 2019. Integrating microcontrollers and e-textile materials with traditional craft-based electronics with interdisciplinary students. GDES 3015

Computational Studio Sheridan College, Interaction Design 2017. Technical thesis class for undergraduate students, covering a variety of topics tailored to student projects.

Interactive Objects 2 Sheridan College, Interaction Design 2017. Physical computing and electronics, wireless networking and cross platform systems.

Interactive Objects 1 Sheridan College, Interaction Design 2016 Basic electronics and physical computing for interactive media students, Arduino, electronics theory.

Digital Media Principles Sheridan College, Interaction Design 2016 Web programming for creative students using 3JS and basic JavaScript concepts, object oriented programming and procedural.

Game Design Fundamentals Sheridan College, Game Design 2015. Introduction to game design concepts.

IMC Programming basics Sheridan College, Game Design 2015. Programming for artists using Processing and basic object oriented code.

Community Teaching

Magnetic Fields, 2021 at **Youth Class Facilitator** School Of Machines, Mak- ing and Make Believe, TorontoToolLibrary.com

Squishy Futures & Body Centric Electron-Sessions. Studio[y] ics at Inter/Access, 2019

iSkills Workshops: 3D Printing, Arduino, Soft Circuits at KMDI Maker-space, 2018-19

Wearable Tech Workshops Toolbox, 2020

Curriculum Designer Zero To Startup, 2015 - 2016

Youth Class Facilitator Toronto Tool Library 2015. STEAMLabs,

Facilitator - Curiosity & Body Centric Electron-Sessions. Studio[y] ics collaborator, 2014

New Media Instructor: Wearable tech, Radio design, intro to soldering Design Exchange, 2016-2017. www.dx.org

Research / Educator IDRL York University, 2016-2017 www.irdl.info.yorku.ca

Maker Bootcamp 2016 STEAMLabs,

Electronics Masterclass Design Exchange

3D Printing Masterclass Design Exchange

Unity Programming Interaccess

Augmented Reality Programming Interaccess

Conference Organization

Open Hardware Summit, 2022 VIRTUAL - Summit FChair

The Future Of Making, 2019 TORONTO, CANADA. Co-organizer

Digital naturalism Conference 2019 - 2022 GAMBOA, PANAMA. Conference Chair and conference organisational group.

Make Change 2015-2018 LITTLE DADA . Coordinated a conference and showcase with Maker Festival Toronto about critical engagement with Maker culture.

Southern Ontario Maker Space Conference (SoOnCon) 2015. Organizing and developing the Southern Ontario Maker Space Conference. SOONCON.CA

Different Games Toronto 2017. Project manager and coordinator for Toronto branch of the Different Games conference.

Tech & Research

Creative Technologist Consulting

2014 - PRESENT. Building installation and physical computing projects, for artists, companies, and non profit organizations.

Researcher,

KMDI / Semaphore 2018 - 19. Research assistant in the Makerspace, and ongoing technology projects with Dr. Sara Grimes.

Etherium Bridge #ARTPROJECT

2018. Designing and building interactive Digital Fabricator & installations connected with Ethereum blockchain

Owner ZAP! Laser Cutting & Fabrication Services ,

2014 - 16. Laser cutting & digital fabrication services & consultation in downtown Toronto using large format CNC laser cutters.

Graduate Researcher

(OCAD University). Anthill Lab, Mobile Lab, Inclusive design research center.

Front-End Developer

(Specialization), Crowd Twist. 2011 - 2012. crowdtwist.com

Full Stack Developer,

Learning Modules Project York University. 2016-2017 Institute for research on digital learning. irdl.info.yorku.ca

Peer Reviewed Articles

L M Wilkins, **E-Textiles: Power and Restance**
Journal of Virtual Creativity, April 2020

R P Gál, L M Wilkins, Y Zhang, M P Boucher, T Karppi, J Packer, **Space Media,**
Canadian Journal of Communications, September 2021

Freelance Publications

Published in **Supplyframe Hardware**. Freelance writer 2018-2019

Pandemic Fashion - Lee Wilkins on April, 2019
Who is buying and certifying the voting machines for the 2020 election?

Lee Wilkins on September 5, 2019

The future of implantable technology

Lee Wilkins on March 27, 2019

Published in **Make Magazine**. quarterly microcontroller columnist 2021-PRESENT

Clothes Minded, Lee Wilkins MAKE 63 May 2018

Wearables Whats What, Lee Wilkins in MAKE 80, February 2022

Published in **The Prepared**. regular contributor 2019-PRESENT

2021-07-26, Guest Editor, Lee Wilkins

2021-09-27, Guest Editor, Lee Wilkins

2019-07-22, Guest Editor, Lee Wilkins and Hillary Predko

Wilkins and Hillary Predko

Building the Feminist Cyborg Revolution.

Misc Magazine. L. Wilkins. June, 2016

Self published

All About Wires L. Wilkins, 2020

Love LEDs L. Wilkins, 2020

An instructive appreciation of buttons and switches L. Wilkins, 2020

L4 Society, Little Dada. H Predko, L. Wilkins. S Yee June, 2020

Awards & Residences

Animating Torontos Parks, 2019 Toronto Art's Council Grant

Dames Making Games 2016 GDC Scholarship
Recipient

Younger Than Beyonce Gallery Artist Residency
Resident

Animating Torontos Parks, 2018. Toronto Art's Council Grant

Innovator In Residence
Toronto Public Library

OCADu Graduate Scholarship 2012 & 2013. Recipient

Artist In Residence
Social Body Lab, 2017

Interviews

Opposible Thumbs Podcast, 2021

The Agenda (TVO)
Cyborg Panel, 03/04/20

Tapestry CBC
On being a Cyborg (April 2018)

Hackaday HackChat
(01/21/18)
Being a Cyborg

What She Said SiriusXM (03/08/16)
Women, Diversity & Tech

Metro Morning CBC
Star Wars "Rey Day" Hackathon (02/15/16)

The Current CBC
Panelist "The Right to Tinker" (08/19/15)

A Users Guide to Cheating Death (S2, E5)

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Communications & Consulting

Communications Consultant,

Aplenglow Industries
Brand identity, social media, and content creating consultant 2021 - PRESENT.
APLENGLOWINDUSTRIES.COM

Communications Consultant,

informal
2021 - PRESENT.
INFORMAL.CC

Maker Buddies: Education Curriculum Design Project

Toronto Catholic District School Board. 2017

Community Manager,

Hackaday.io,
Creating and designing social media campaigns and community management for Instagram and Twitter.
2018 - 2021. .HACKADAY.IO

Innovator In Communities,

Toronto Public Library,
2014 - 2015. A teaching series throughout Toronto's community centres on Arduino, web development and coding.

Advising

Talking Back Feminist Media Conference Steering committee, 2019
Textile Museum of Canada Selection Committee,
Residency for Artists, educators and curators, Fall 2019
Centre for Media Culture and Education (CMCE) Advisory Board 2018
Fashion Communications, Ryerson School of Fashion Undergraduate Program Invited capstone judge 2019
Digital Futures, OCADU Graduate Program. Invited awards panelist 2019
Creators Grant 2019 Selection Committee for Creators Grant at Ryerson University

Community Leadership

Secretary, Board of

Directors. PleasureDome,
2021 - PRESENT.
PDOME.ORG

Treasurer, Board of

Directors. Open Source Hardware Association , 2021 - PRESENT. OSHWA.ORG

Treasurer, Board of

Directors. Doctoral Student Association , 2019- 2021 - PRESENT.

Chair, Board of Directors,

Site 3 CoLaboratory,
2013 - 2019. SITE3.CA

Organizational team

member, BioHacking Village (DEFCON) 2020-Present

Satellite Events Team,

Maker Festival Toronto, 2016.
Coordinating 100+ events around Maker Festival with over 12,000 attendees

Make Friends Monthly

Co-Founder, Little Dada, 2015 - 2018.
MAKEFRIENDSMONTHLY.COM

Education Officer,

Site 3 coLaboratory, 2012-2014

CoFounder,

Adventure Box Collective, 2017 - 2019. Arts and technology collective in Toronto, Ontario.

Artist In Residence Program

Coordinator SITE 3, 2015 - 16.

LGBTQ Shop nights Co-

Founder, Site 3 coLaboratory 2014 - 2019. Organization and leading of weekly LGBTQ inclusivity community events.

Site Bee Popup Shop Co-

Founder, Summer 2014.

Select Collaborators, Projects & Events

Justin Eddie and teh Great

Cosmic Crisis - 2021. Interactive prop design, Little Dada

The L4 Society Workshop -

Event -2020
Seeding Utopias (Artists in Libraries, Toronto Arts Council)

Long Exposure Festival,

Organizer & Artist. Funded by Toronto Arts Council 2018-19.
LongExposureFestival.com

Skylab Revolution

Animating Historical Sites Fund by Toronto Arts Council / Hand Eye Society, 2019

Stupid Shit No one needs & terrible ideas hackathon

Toronto 2016 - 2018 & 2020
Stupidhackathontoronto.com

A Lab of One's Own International Women's

Day event, Little Dada, 2016-17

Photon Gallery

Site 3 Colaboratory
Scotiabank Nuit Blanche Exhibit 2015-2018

Festival Of Curiosity

Technical lead on Wearable Technology runway show. 2016-18

How Bright Is Our Future With Design Workshop Architects, Exhibited at

IDS 2018, Technical lead

Make Friends Meetup,

Organizer. Ongoing workshops on technology, 2015-16.
MakeFriendsMeetup.com

Rey Doll Hackathon 2016

Anemoia Nigh Parade. Scotia Bank Nuit Blanche 2015 (Collaboration with Len Predko)

Punk Prism Power 2016

punkprismpower.com

Site 3 Ridiculous

Auction 2014 & 2018

Pedal Powerd Parts

Washer (Collaboration with Charlies Freewheels) 2014

Toastraits 2015

Maker Festival Toronto

THESE ARE ONLY SOME OF THE COLLABORATORS I'VE WORKED WITH TO DEVELOP PROGRAMMING: Make Fashion, Festival Of Curiosity, INTEL, The Maker Bean, Maker Festival Toronto, Design Exchange ,Design Workshop Architects, Toronto Tool Library, Toronto Public Library, Site 3 Colaboratory, InterAccess, STEAMLabs, Ryerson University, Ryerson Library, KMDI/Semaphore, Institute for Research on Digital Learning (YorkU), Social Body Lab (OCAD U), MakeWorks, Dames Making Games, & Hand Eye Society.

Selected Talks

Outer Space and the City: Provocations for the Urbanization of Space Technology. Panelist, Ars Electronica 2021

Research-Creation: Milieus without Borders. Panelist Society for Social Studies of Science (4S), 2021

“Outer Space / Media / Power.”
Roundtable at the Annual Conference of the Canadian Communication Association, June 2021

“Manufactured Ad-Scapes”, video presentation at Reprise de Vues, 2021

Artist Talk Lee Wilkins, at Art&&Code:Homemade, 2021 Invited speaker

What makes an effective mask?
at Can't Touch This, 2020

Merging Mindsets Wearables.
2020 Creative Manitoba

Moderator: Extensions, prosthetics and symbiosis 2019 - moderator, Inter/Access

Making Art With Machines 2019,
Cybrog Futures at Inter/Access

DMG Speaker Social 2018, Into the void
HackChat 2018, **Being a Cyborg**

Toronto Comic Arts Festival, 2017,
The Science of Superheros

HelloCon 2017
Invited Keynote Speaker

Critical Maker Education
Speaker 2016 ITP NYU

DigiFest 2016
FUTURE5 Speaker

Reconstructing Resilience 2016 Speaker, OCADu

Different Games Conference 2016,
Speaker

Toronto Design Offsite Festival Speaker 2016 MaRS Discovery District

Indigiecade, DMG 2015
Speaker 2015, Bento Miso

Atomic Lollipop 2014,
Speaker, Ontario Science Centre

TEDx 2013 Speaker
TEDx OCADu.

Dames Making Games 2013, Speaker

Selected Exhibits

Matrix of Mobility: Networks of Objects and Exchange. T6 2021, Exhibitor
Void

LIMINAL, Bever Hall
Gallery 2020, Exhibitor
Void

Mergin Mindsets Conference 2020,
Exhibitor - Void

Digital Futures Open Show
2019, Exhibitor - Void

Winter Lights Ontario
Place 2018, Earth Resist

ETHDenver 2018
Exhibitor

Ethereal NYC 2018
Exhibitor

Bit Bazaar 2018,
Voids & Artisinal Plugins

UrbaniT 2018,
Android Apparatus

AndroidTO 2018,
Android Apparatus

Hand Eye Society Ball
2018, The Organ

Missisagua Winter Festival
2018, Light Organ

Ontario Centre for Excellence. 2017, Exhibitor

InStore 2017, RE: Familiar

EDIT Festival 2017,
LOL memory

Make Fashion 2017,
RE: Familiar

Cirque-it 2017
Cyborg Armor

Grow Op 2017,
Gladstone Hotel

Hand Eye Society Ball 2016
Annual General Mischief

Nuit Blanche 2016, Orbs

Space Jam YTB Gallery,
Jan.2016, Exhibitor

Indiecade 2015, Exhibitor

The Anthropologists Market, 2015

Maker Festival Toronto 2015,
Hustle Bustle

GradEx 2014,
OCADU Exhibitor

Light 2014,
OCADU Exhibitor

IGDA Eat Play Mingle Exhibitor

Level Up 2013 Exhibitor

Social Engineer, OCADU
Graduate Gallery 2013

Possibility Spaces
2011 Exhibitor